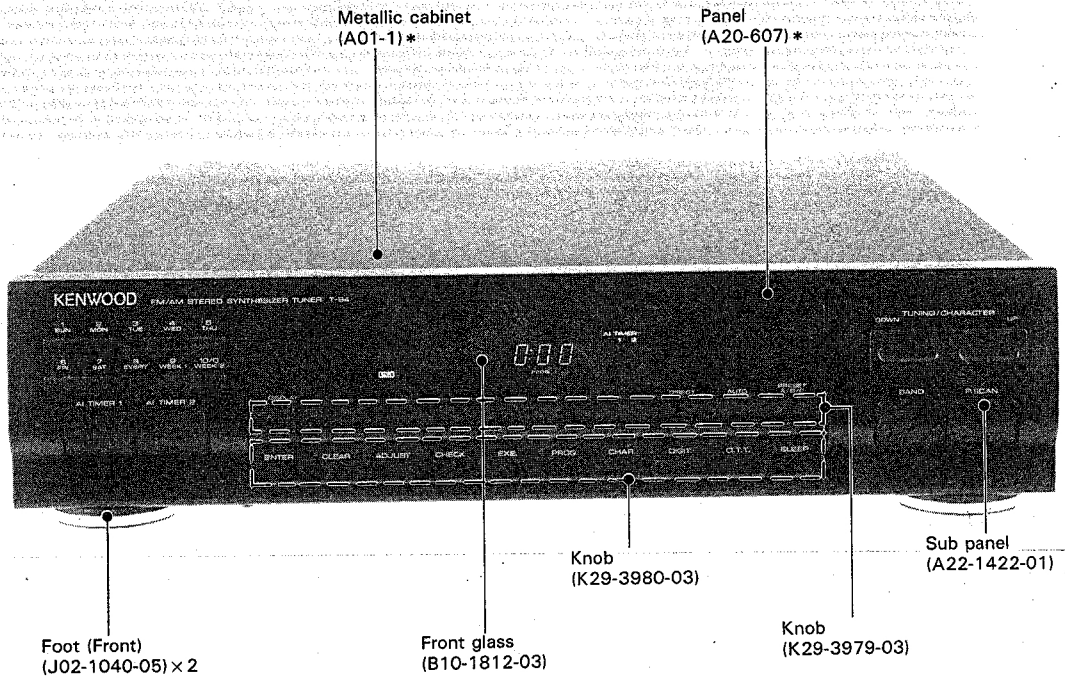
FM/AM STEREO SYNTHESIZER TUNER

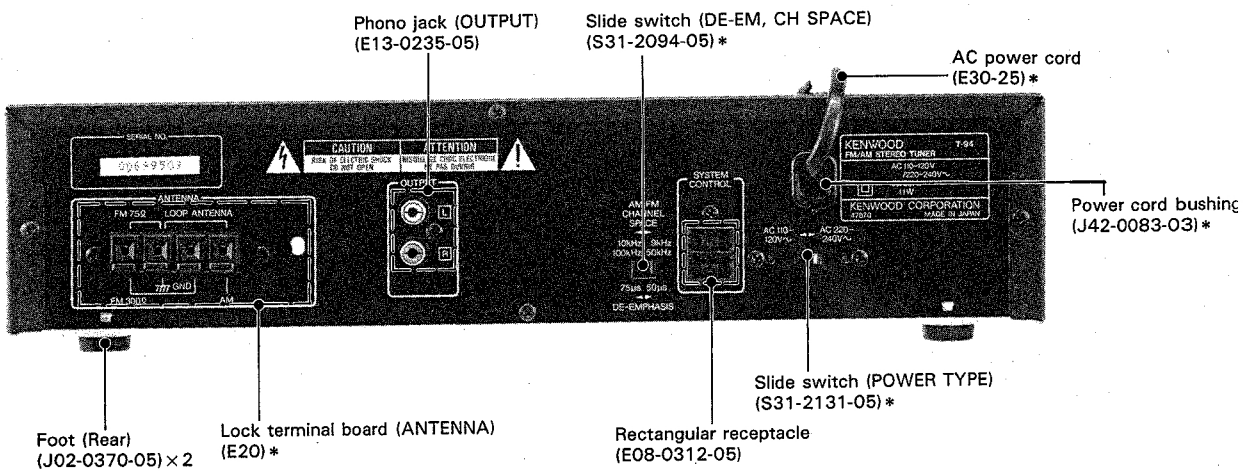
T-74/74L/94/94L

SERVICE MANUAL

KENWOOD

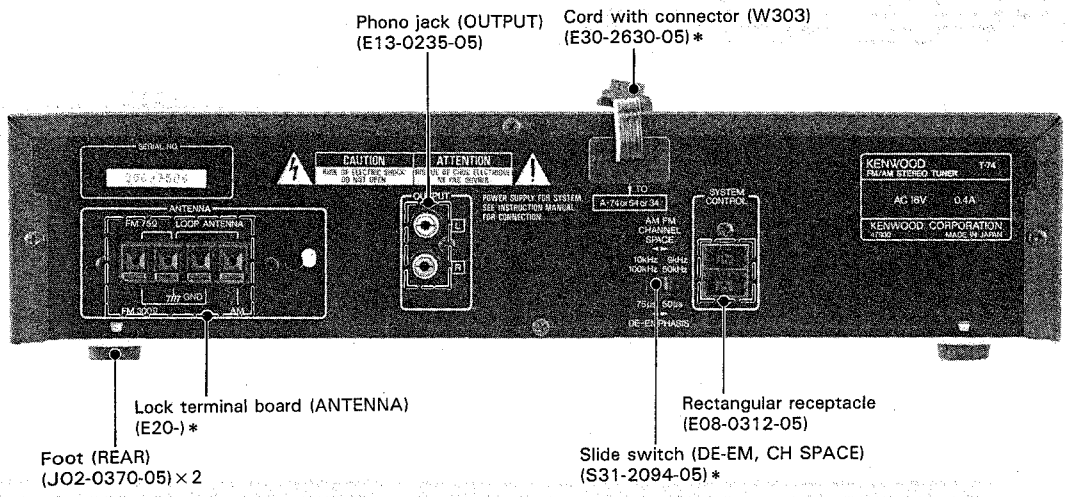
©1990-7 PRINTED IN JAPAN
B51-4230-00(T)1953





* Refer to Parts List on page 30.
Photo is T-94.

T-74/74L/94/94L



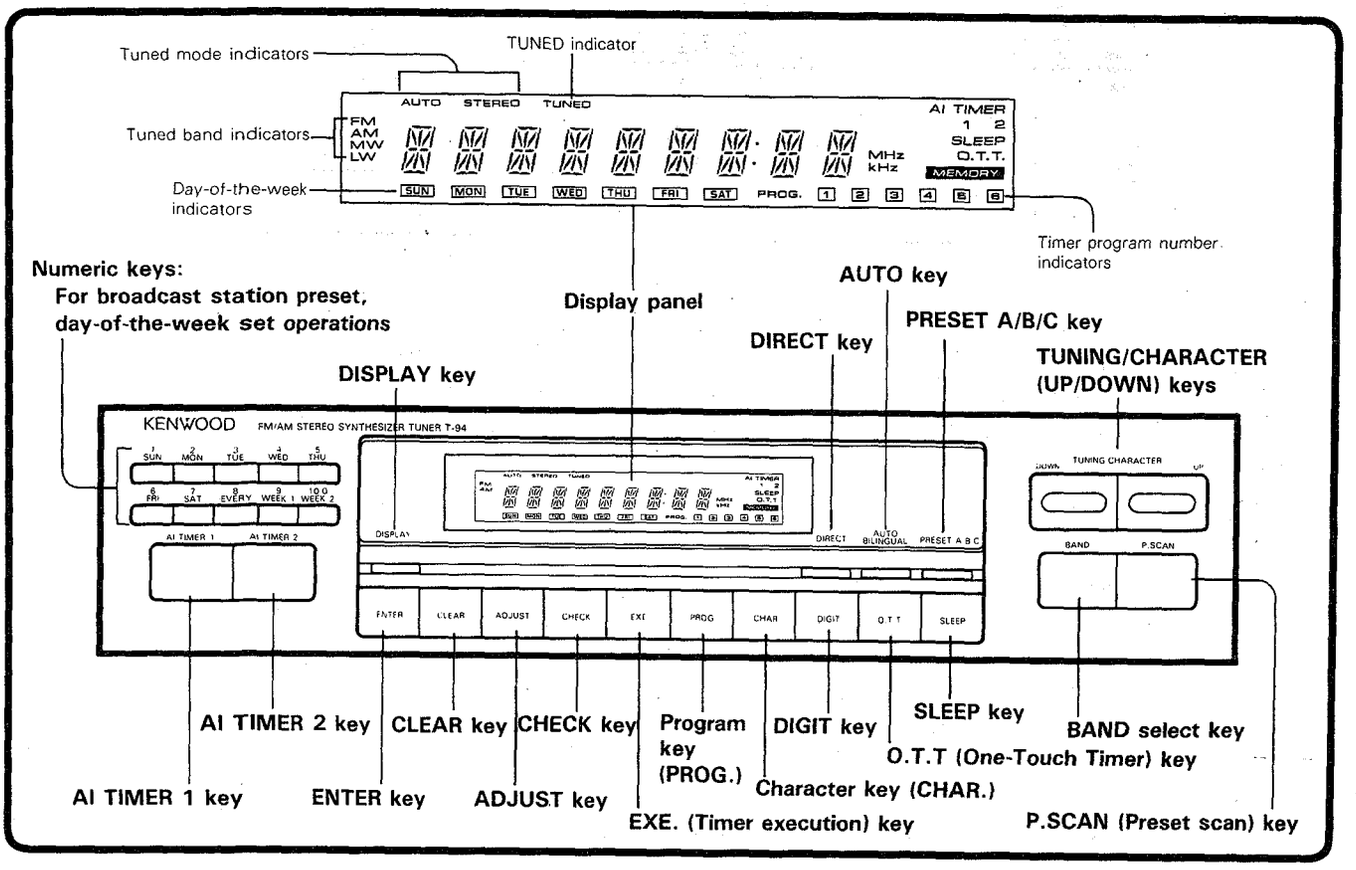
*** Refer to parts list on page 30.**
Photo is T-74.

T-74 and T-74L don't have a power supply transformer. Use A-34/54/74 or a suitable power supply to supply power. If neither is available, adjust to operate as instructed on page 12.

CONTENTS

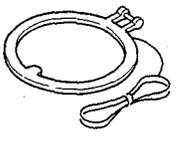
CONTROL AND INDICATIONS 3
ACCESSORIES 3
BLOCK DIAGRAM 5
CIRCUIT DESCRIPTION 11
ADJUSTMENT 13
VOLTAGE TABLES 13
PC BOARD (COMPONENT SIDE VIEW) 15
SCHEMATIC DIAGRAM (T-74/94) 17
SCHEMATIC DIAGRAM (T-74L/94L) 23
EXPLODED VIEW 29
PARTS LIST 30
SPECIFICATIONS ..... Back cover

CONTROL AND INDICATIONS



ACCESSORIES

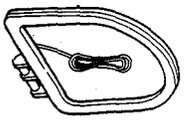
LOOP ANTENNA
(T90-0153-05): FRANCE MADE



T TYPE ANTENNA
(T90-0176-05): JAPAN MADE
(T90-0176-05): FRANCE MADE
(T90-0175-05): SINGAPORE MADE

ANTENNA ADAPTOR
(T90-0177-05): (T-74L/94L ONLY)

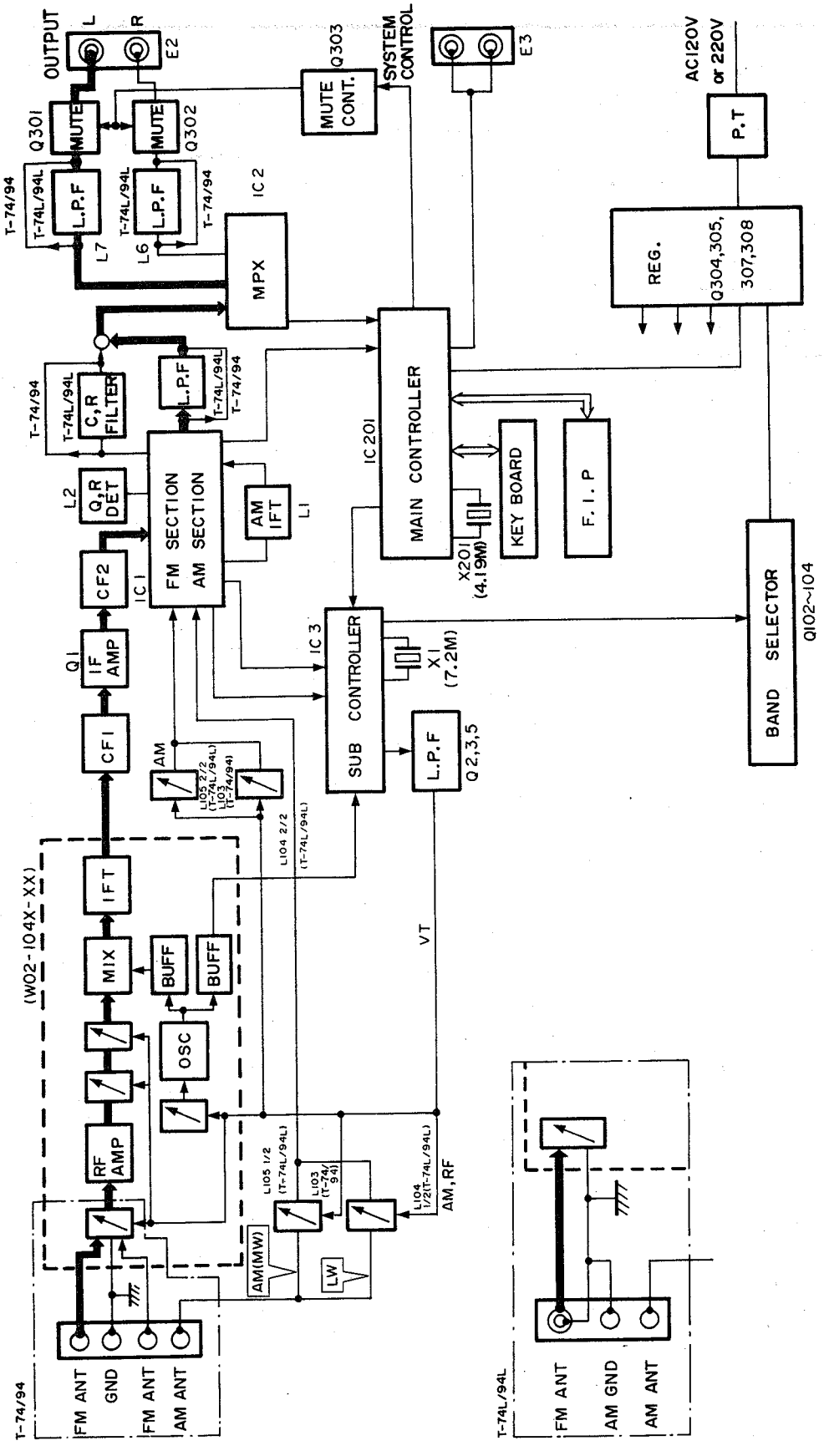
LOOP ANTTENA
(T90-0173-05): JAPAN MADE
(T90-0174-05): SINGAPORE MADE



ANTENNA HOLDER
(J19-2815-04)

T-74/74L/94/94L

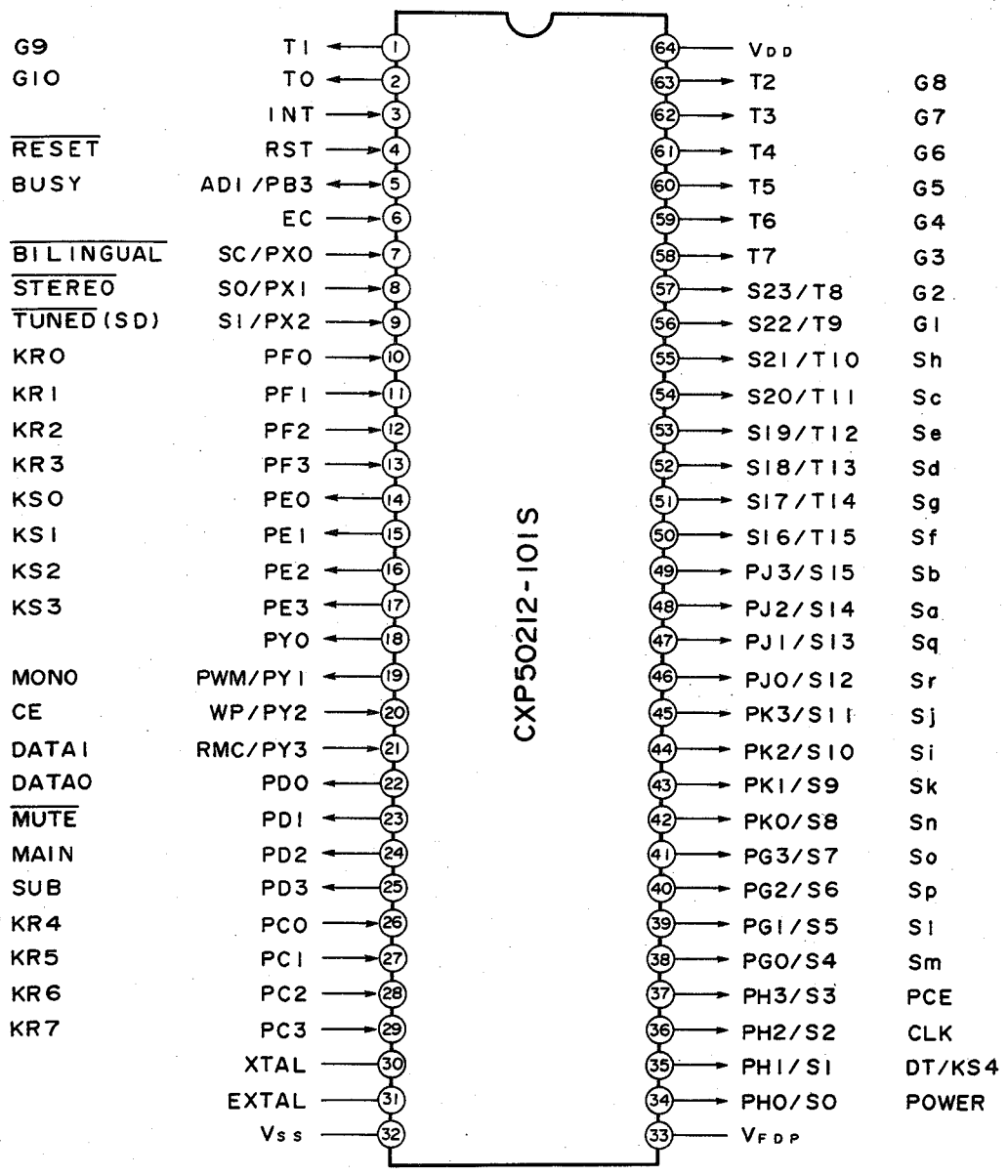
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

IC201: CXP50212-101S (X05-)
MICROPROCESSOR

Pin connections (Top view)



T-74/74L/94/94L

CIRCUIT DESCRIPTION

Pin functions

Pin No.	Pin name	I/O	Name	Operation description	
1	T1	O	G9	FL grid output	9G
2	T0	O	G10	FL grid output	10G
3	INT	I		No use	(GND)
4	RST	I	$\overline{\text{RESET}}$	Reset input	H: NORMAL L: RESET
5	ADI/PB3	I/O	BUSY	System control BUSY input/output	
6	EC	I		No use	(GND)
7	SC/PX0	I	$\overline{\text{BIL}}$	BILINGUAL	H: NORMAL L: BILINGUAL
8	SO/PX1	I	$\overline{\text{STEREO}}$	Stereo signal input	H: MONO L: STEREO
9	SI/PX2	I	$\overline{\text{TUNED}}$	Tuning signal input	H: NO L: TUNED
10	PF0	I	KR0	Key return input	H: ON L: OFF
11	PF1	I	KR1	Key return input	H: ON L: OFF
12	PF2	I	KR2	Key return input	H: ON L: OFF
13	PF3	I	KR3	Key return input	H: ON L: OFF
14	PE0	O	KS0	Key scan output	H: ON L: OFF
15	PE1	O	KS1	Key scan output	H: ON L: OFF
16	PE2	O	KS2	Key scan output	H: ON L: OFF
17	PE3	O	KS3	Key scan output	H: ON L: OFF
18	PY0	O		No use	(OPEN)
19	PWM/PY1	O	MONO	Forced MONO output	H: MONO L: STEREO
20	WP/PY2	I	CE	AC OFF detection input	H: AC ON L: AC OFF
21	RMC/PY3	I	DATAI	System control DATA input	
22	PD0	O	DATAO	System control DATA output	
23	PD1	O	$\overline{\text{MUTE}}$	Line mute	H: MUTE OFF L: MUTE ON
24	PD2	O	MAIN	No use	
25	PD3	O	SUB	No use	
26	PC0	I	KR4	Key return input	H: ON L: OFF
27	PC1	I	KR5	Key return input	H: ON L: OFF
28	PC2	I	KR6	Key return input	H: ON L: OFF
29	PC3	I	KR7	Key return input	H: ON L: OFF
30	XTAL			Quartz oscillator 4.194304MHz	
31	EXTAL			Quartz oscillator 4.194304MHz	
32	V_{SS}			GND pin	
33	V_{FDP}			−30 V	

CIRCUIT DESCRIPTION

Pin functions

Pin No.	Pin name	I/O	Name	Operation description	
34	PH0/S0	O	POWER	POWER ON/OFF control	H: ON L: OFF
35	PH1/S1	O	DT/KS4	PLL DATA output	Key scan output for destination SW
36	PH2/S2	O	CLK	PLL CLOCK output	
37	PH3/S3	O	PCE	PLL CE output	
38	PG0/S4	O	Sm	FL segment output	m
39	PG1/S5	O	Sl	FL segment output	l
40	PG2/S6	O	Sp	FL segment output	p
41	PG3/S7	O	So	FL segment output	o
42	PK0/S8	O	Sn	FL segment output	n
43	PK1/S9	O	Sk	FL segment output	k
44	PK2/S10	O	Si	FL segment output	i
45	PK3/S11	O	Sj	FL segment output	j
46	PJ0/S12	O	Sr	FL segment output	r
47	PJ1/S13	O	Sq	FL segment output	q
48	PJ2/S14	O	Sa	FL segment output	a
49	PJ3/S15	O	Sb	FL segment output	b
50	S16/T15	O	Sf	FL segment output	f
51	S17/T14	O	Sg	FL segment output	g
52	S18/T13	O	Sd	FL segment output	d
53	S19/T12	O	Se	Fl segment output	e
54	S20/T11	O	Sc	Fl segment output	c
55	S21/T10	O	Sh	FL segment output	h
56	S22/T9	O	G1	FL grid output	1G
57	S23/T8	O	G2	FL grid output	2G
58	T7	O	G3	Fl grid output	3G
59	T6	O	G4	FL grid output	4G
60	T5	O	G5	FL grid output	5G
61	T4	O	G6	FL grid output	6G
62	T3	O	G7	FL grid output	7G
63	T2	O	G8	FL grid output	8G
64	V_{DD}			+5 V (Power supply)	

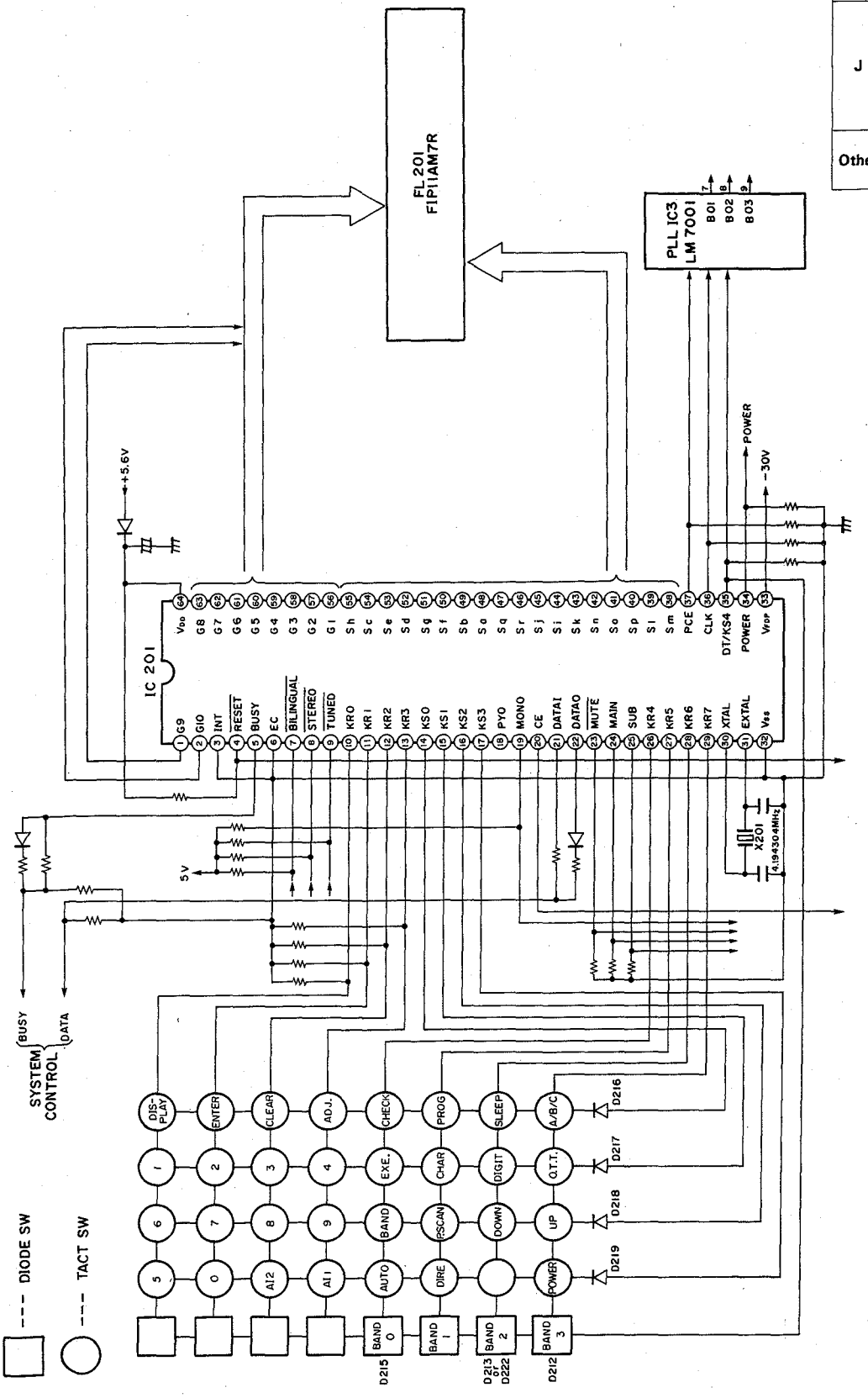
T-74/74L/94/94L

CIRCUIT DESCRIPTION

Blockdiagram of surrounding microprocessor

BAND SELECT

DESTINATION	BAND	B01	B02	B03
J	FM	L	H	L
	AM	L	L	H
	VHF L	H	H	L
	VHF H	H	H	H
	UHF	H	L	L
Other	FM	H	H	L
	AM	H	L	H
	LW	L	H	H



CIRCUIT DESCRIPTION

Test mode

(1) Method of setting

While pressing the DOWN key, turn AC ON.

(2) Contents

Power ON

FLL all lit

Test frequency setting (Table 1)

(3) Method of canceling

Clearing the FL all lit state is performed by numeral key, BAND key, UP/DOWN key or POWER key.

Initial status setting (reset)

(1) Method

While pressing the ENTER key, turn AC ON.

(2) Contents

The all memory is cleared and the initial status is fully restored. At this time, however, test frequency is newly memorized in the preset memory.

Note:

Always turn on the power in the test mode. To select a station, use the preset scan, or UP or DOWN keys.

Band \ Destination / P.scan		J	M,X	T,E
FM (FM1)	A-1	76.0 MHz	87.5 MHz	87.5 MHz
	A-2	78.0 MHz	89.1 MHz	89.1 MHz
	A-3	80.0 MHz	90.0 MHz	90.0 MHz
	A-4	82.0 MHz	92.0 MHz	92.0 MHz
	A-5	83.0 MHz	94.0 MHz	94.0 MHz
	A-6	83.5 MHz	98.0 MHz	98.0 MHz
	A-7	86.0 MHz	100.1 MHz	100.1 MHz
	A-8	88.0 MHz	102.0 MHz	102.0 MHz
	A-9	89.1 MHz	106.0 MHz	106.0 MHz
	A-10	90.0 MHz	108.0 MHz	108.0 MHz
AM	B-1	531 kHz	530 kHz	531 kHz
	B-2	630 kHz	630 kHz	630 kHz
	B-3	990 kHz	990 kHz	990 kHz
	B-4	1440 kHz	1440 kHz	1440 kHz
	B-5	1602 kHz	1610 kHz	1610 kHz
	B-6	—	(1700 kHz)	—
TV/LW	C-1	1ch	—	153 kHz
	C-2	3ch	—	162 kHz
	C-3	4ch	—	216 kHz
	C-4	8ch	—	270 kHz
	C-5	12ch	—	281 kHz
	C-6	13ch	—	—
	C-7	35ch	—	—
	C-8	62ch	—	—

(Table 1)

Conditions by destination

Destination type	Destination switches B3	B2	B1	B0	Band	Receiving frequency range	Inter-channel space	Intermediate frequency	PLL reference frequency
J	0	0	0	0	FM	76.0~90.0 MHz	100 kHz	−10.75 MHz	25 kHz
					AM	531~1602 kHz	9 kHz	+450 kHz	9 kHz
					TV	1~62ch	6 MHz	−10.75 MHz	25 kHz
M,Y	1	1 or 0	0	0	FM	87.5~108.0 MHz	100 kHz /50 kHz	+10.7 MHz	50 kHz (25 kHz)
					AM	531~1602 kHz or 530~1610 kHz	9 kHz or 10 kHz	+450 kHz	10 kHz
K,P	1	0	0	0	FM	87.5~108.0 MHz	100 kHz	+10.7 MHz	50 kHz (25kHz)
					AM	530~1610 kHz	10 kHz	+450 kHz	10 kHz
X	1	1	0	0	FM	87.5~108.0 MHz	50 kHz	+10.7 MHz	50 kHz
					AM	531~1602 kHz	9 kHz	+450 kHz	9 kHz
T,E	1	1	0	1	FM	87.5~108.0 MHz	50 kHz	+10.7 MHz	50 kHz
					MW	531~1602 kHz	9 kHz	+450 kHz	9 kHz
					LW	153~281 kHz	1 kHz	+450 kHz	1 kHz

CIRCUIT DESCRIPTION

Function description

a) AI TIMER 1

- With the program timer mode set to PLAY, when the timer is turned ON, the setting contents for the AI TIMER 1 is activated if the AI TIMER 1 is set to ON (the FL indicator is lit).
- When the AI TIMER 1 is turned ON, first playback starts with the minimum volume level, then the volume level is increased in three steps.
- The third-step volume level (the maximum volume level) can be selected among the three types of the volume levels (VOL. 1-3). Each time the AI TIMER 1 key is pressed, the maximum volume level is changed in order from VOL. 1 to VOL. 3 and TIMER OFF setting cyclically.

① When the key is pressed with the AI TIMER 1 is OFF (FL indicator is not lit):

→ OFF → VOL. 1 → VOL. 2 → VOL. 3 →

② When the key is pressed in the volume setting mode (FL indicator is lit):
Example: When VOL. 2 is selected

→ VOL. 2 → VOL. 3 → OFF → VOL. 1 →

b) AI TIMER 2

- With the program timer mode set to PLAY, when the timer is turned ON, the setting contents for the AI TIMER 2 is activated if the AI TIMER 2 is set to ON (FL indicator is lit).
- When the AI TIMER 2 is turned ON, if the disc is loaded in the CD player, the two tracks on the disc is played regardless whether the other source is set for play.
  Then, the playback source is changed to tuner automatically.
- Each time the AI TIMER 2 key is pressed, the timer setting is changed alternately.

C) O.T.T.

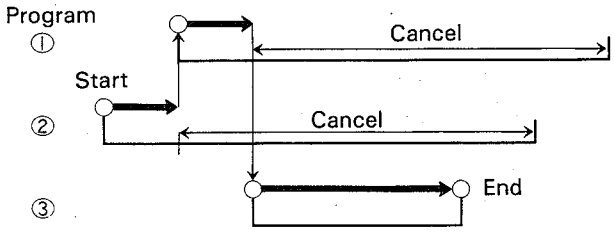
- One-touch timer setting key
  When this key is pressed, the auto-timer with which the one time can be set every 30 minutes.
  When the key is pressed with the current time at 9:12, the on time is set to 9:30. When the key is pressed again with the on time is displayed (within about 5 seconds), the on time is set to 10:00. With these procedures, the on time can be set up to 12 hours with an interval of 30 minutes.

Timer program operation

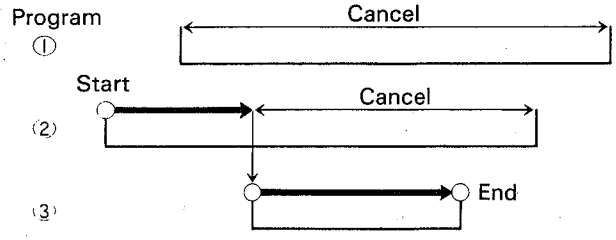
<When the program settings are registered within the same period>

- When the two or more program settings are to be started at the same time:
  The program having the least number is activated and others will be cancelled.
- When the setting time for two or more programs differ:
  First, the program with the earliest setting time is activated. Then, if the same mode (REC mode or PLAY mode) has been designated for the other program, the operation is changed to the program in which the same mode as the first one is designated and the end time for the above program will be cancelled. If another mode is set for of other programs, the contents will be cancelled.

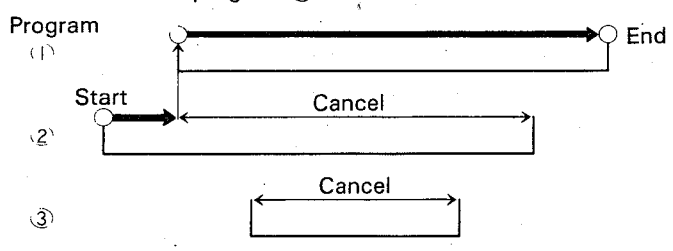
Example 1: When the operation modes for all three programs are set to PLAY:



Example 2: When the operation modes for programs ②, ③ are set to PLAY and that for the program ① is set to REC:



Example 3: When the operation mode for programs ①, ② are set to REC and that for program ③ is set to PLAY:



The program end is determined by the OFF time of the program which is activated at the last.

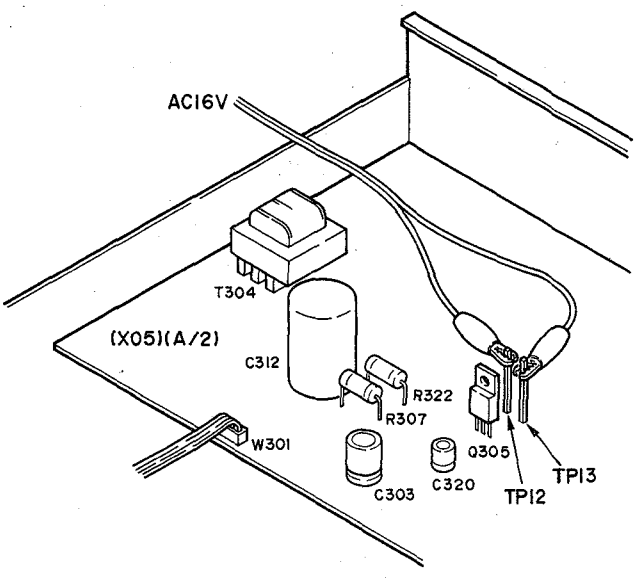
ADJUSTMENT

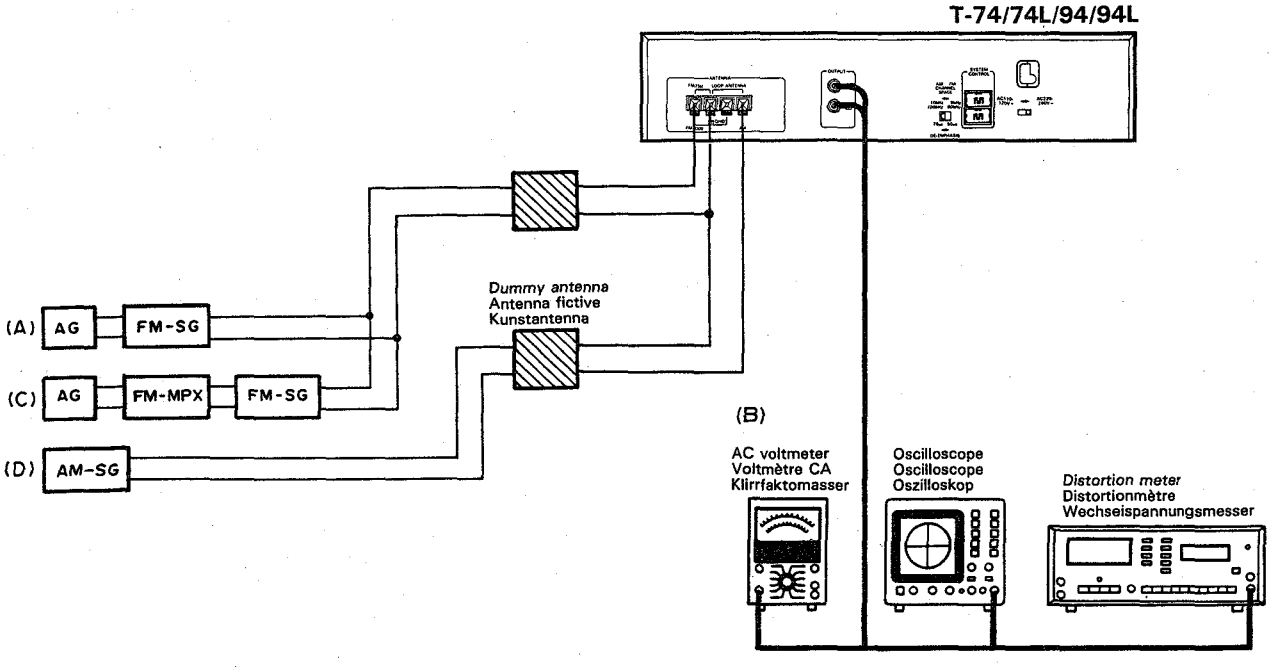
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION			SELECTOR: FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev (M,X type) 1kHz,±40kHz dev (E,T type) 60dBμ (ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L2 (X05-)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev 60dBμ (ANT input)	Connect a frequency counter to TP5 and TP6 (GND). (X05-)	AUTO 98.0MHz	VR2 (X05-)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev Pilot:±7.5kHz dev (M,X type) 1kHz,±40kHz dev Pilot:±6kHz dev (E,T type) 60dBμ (ANT input)	(B)	MONO 98.0MHz	IFT (W02-)	Minimum distortion	
4	SEPARATION (E,T type only)	(C) 98.0MHz 1kHz,±40kHz dev Pilot ±6kHz dev Selector:L or R 60dBμ (ANT input)	(B)	AUTO 98.0MHz	VR4 (X05-)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 1kHz,±75kHz dev (M,X type) 1kHz,±45kHz dev (E,T type) 14dBμ(ANT input) 75Ω 18dBμ(ANT input)300Ω	(B)	AUTO or MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where FL201(TUNED) goes on.	
AM (MW) SELECTION			SELECTOR:AM(MW) (Singapore made and france made only)				
(1)	TUNING LEVEL	(D) 1008kHz 400Hz,30% mod 26dBμ(ANT input)	(B)	1008kHz	VR3 (X05-)	Adjust VR3 and stop at the point where FL201 (TUNED) goes on.	

T-74/74L/94/94L

ADJUSTMENT

The T-74 and T-74L don't have a power transformer. Use A-34/54/74 or a power supply device to supply power to the T-74/74L. If neither is available, apply AC16 V to TP12 and TP13 of the tuner unit (X05, A/2).





VOLTAGE TABLES

T-74L/94L
TUNER UNIT
X05-397X-XX: (JAPAN MADE, FRANCE MADE)
X05-398X-XX: (SINGAPORE MADE)

IC1

1~3	2.3V
4	0V
5,6	11.9V
7	11.7V
8	0V
9	3.8V
10	3.0V
11,12	1.5V
13,14	1.8V
15	2.3V
16	1.4V
17~19	0V
20,21	3.8V
22	2.6V

IC2

1	11.9V
2	2.6V
3	5.9V
4,5	9.8V
6,7	4.9V
8	0V
9	0.6V
10	2.6V
11~13	2.5V
14	2.5V
15	2.9V
16	0.4V

IC3

1	1.0V
2	1.6V
3~6	0V
7,8	11.9V
9	0.2V
10	0V
11	2.5V
12,13	5.2V
14	1.4V
15	1.2V
16	0V

IC201

1~32	—
33	−30.0V
34~64	—

IC202

1~7	—
8	5.6V

T74L/94L
TUNER UNIT
(X05-397X-XX)
(X05-398X-XX)

Q1

E	1.5V
C	1.8V
B	2.2V

Q2

E	0.6V
C	3.8V
B	0V

Q3

E	0V
C	3.8V
B	0.6V

Q4

E	2.4V
C	11.7V
B	3.0V

Q5

G	LW: 4.4V OTHER: 0V
D	—
S	—

Q102

E	13.9V
C	FM: 13.8V MW: 0V LW: 0V
B	ON: 13.2V OFF: 13.7V

Q103

E	13.9V
C	FM: 0V MW: 0V LW: 13.8V
B	ON: 13.2V OFF: 13.7V

Q104

E	13.9V
C	FM: 0V MW: 13.8V LW: 0V
B	ON: 13.2V OFF: 13.7V

Q105

E	1.4V
C	—
B	LW: 2V MW: 0V

Q106

E	1.4V
C	—
B	LW: 0V MW: 2V

Q201

E	−25.0V
C	5.5V
B	−24.0V

Q203

E	0V
C	4.7V
B	0.3V

Q301

E	0V
C	0V
B	−1.2V

Q302

E	0V
C	0V
B	−1.2V

Q303

E	3.6V
C	−1.2V
B	4.8V

Q304

E	9.6V
C	5.6V
B	6.2V

Q305

E	14.3V
C	20.8V
B	15.0V

Q307

E	20.8V
C	20.0V
B	20.2V

Q308

E	0V
C	0V
B	0.6V

T-74/94
TUNER UNIT
X05-397X-XX: (JAPAN MADE)
X05-398X-XX: (SINGAPORE MADE)

IC1

1~3	2.3V
4	0V
5,6	11.9V
7	11.7V
8	0V
9	3.8V
10	3.0V
11,12	1.5V
13,14	1.8V
15	2.3V
16	1.4V
17~19	0V
20,21	3.8V
22	2.6V

IC2

1	11.9V
2	2.6V
3	5.9V
4,5	9.8V
6,7	4.9V
8	0V
9	0.6V
10	2.6V
11~13	2.5V
14	2.5V
15	2.9V
16	0.4V

IC3

1	1.0V
2	1.6V
3~7	0V
8	11.9V
9	0.2V
10	0V
11	2.5V
12,13	5.2V
14	1.4V
15	1.2V
16	0V

IC201

33	−30.0V

IC202

1	—
2	—
3	—
4	—
5	—
6	—
7	—
8	5.6V

T74/94
TUNER UNIT
(X05-397X-XX)
(X05-398X-XX)

Q1

E	1.5V
C	1.8V
B	2.2V

Q2

E	0.6V
C	3.8V
B	0V

Q3

E	0V
C	3.8V
B	0.6V

Q102

E	13.9V
C	AM: 0V FM: 13.5V
B	ON: 13.2V OFF: 13.9V

Q104

E	13.9V
C	AM: 13.5V FM: 0V
B	ON: 13.2V OFF: 13.9V

Q107

E	50μs: 0V 75μs: 0V
C	50μs: 0V 75μs: 0V
B	50μs: 0.1V 75μs: 0.6V

Q108

E	50μs: 0V 75μs: 0V
C	50μs: 0V 75μs: 0V
B	50μs: 0.1V 75μs: 0.6V

Q201

E	−25.0V
C	5.5V
B	−24.0V

Q202

E	0V
C	0V
B	5.6V

Q203

E	0V
C	4.7V
B	0.3V

Q301

E	0V
C	0V
B	−1.2V

Q302

E	0V
C	0V
B	−1.2V

Q303

E	3.6V
C	−1.2V
B	4.8V

Q304

E	9.6V
C	5.6V
B	6.2V

Q305

E	14.3V
C	20.8V
B	15.0V

Q307

E	20.8V
C	20.0V
B	20.2V

Q308

E	0V
C	0V
B	0.6V

T-74

	JAPAN MADE	SINGAPORE MADE
M	X05-3970-21	X05-3980-21
X	X05-3970-72	X05-3980-72

T-74L

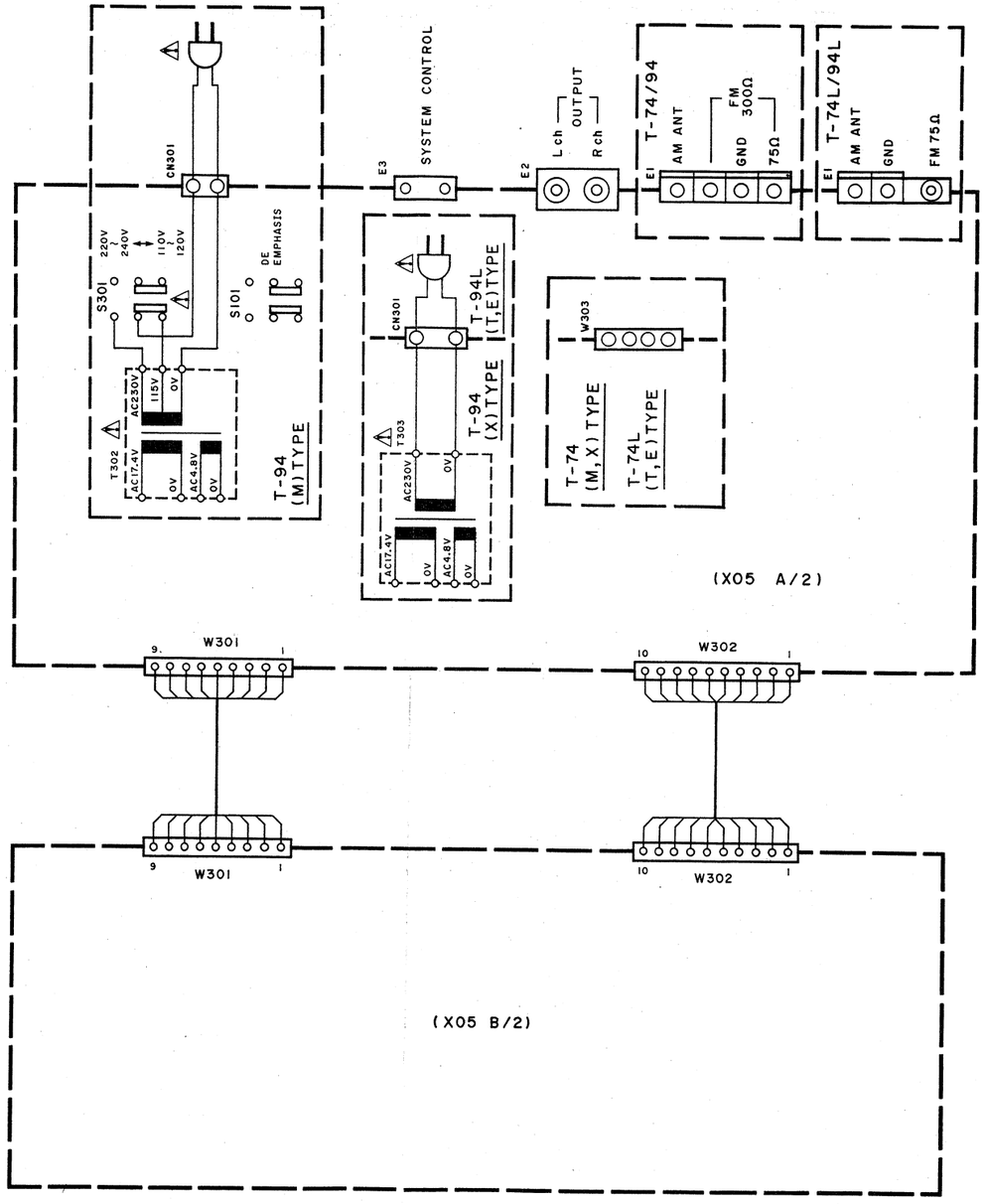
	JAPAN MADE	SINGAPORE MADE	FRANCE MADE
E	X05-3972-73	X05-3982-72	X05-3972-74
T			—

T-94

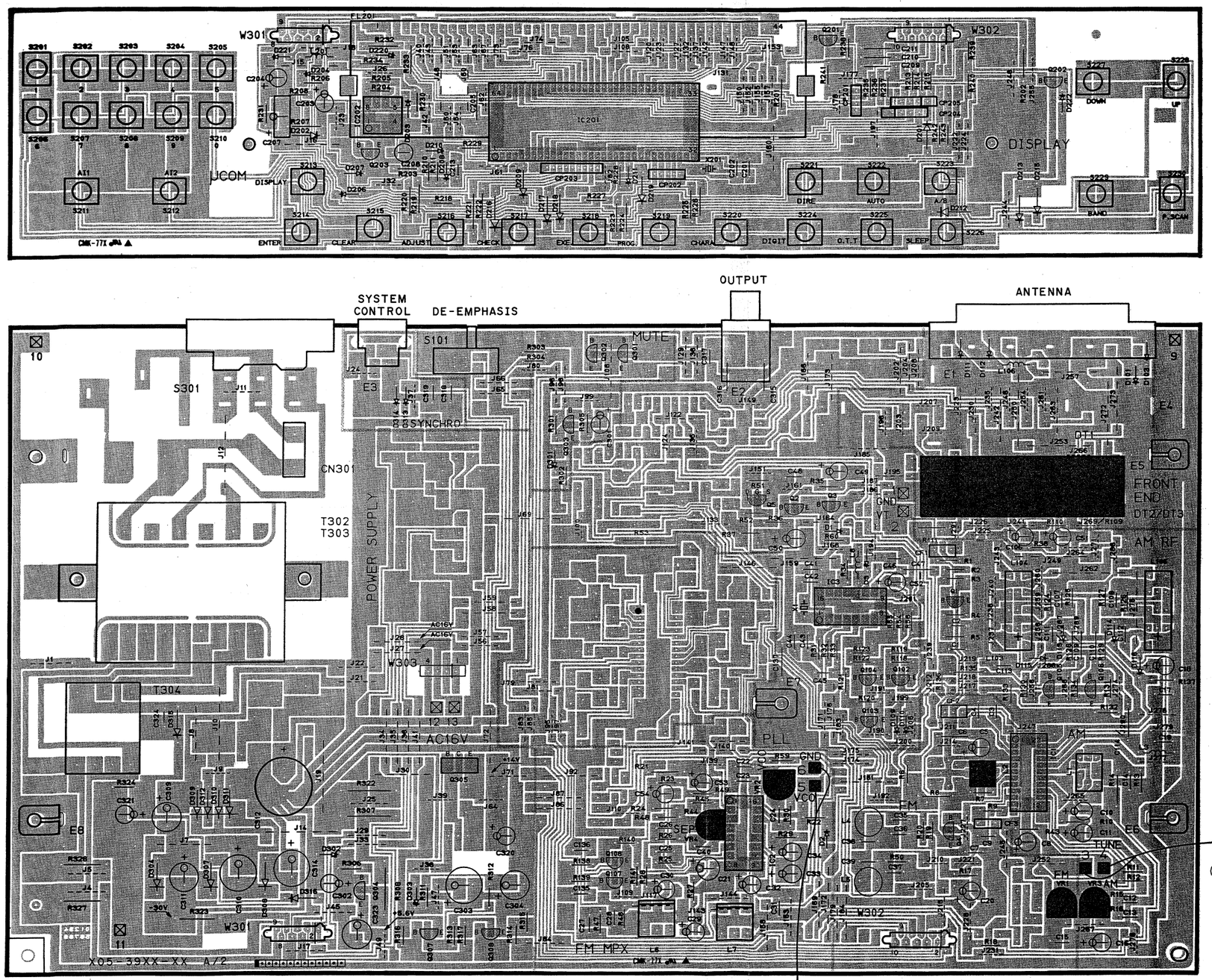
	JAPAN MADE	SINGAPORE MADE
M	X05-3970-20	X05-3980-20
X	X05-3970-71	X05-3980-71

T-94L

	JAPAN MADE	SINGAPORE MADE	FRANCE MADE
E	X05-3972-71	X05-3982-71	X05-3972-72
T			—



PC BOARD (Component side view)



DC voltmeter

(a) DISCRIMINATOR **OV**

(b) VCO **19.00 kHz**

Frequency counter

T-74/94
TUNER UNIT
(X05-397X-XX): JAPAN MADE
(X05-398X-XX): SINGAPORE MADE

Ref. No. IC	Ref. No. Q	Address
	1	4F
	2	4E
	3	4F
	102	5F
	104	5F
	107	6E
	108	6E
	201	1F
	202	2G
	203	2C
	301	3E
	302	3D
	303	4D
	304	6C
	305	5D
	307	6C
	308	6D
1		5G
2		6E
3		5F
201		2D
202		2C

T-74L/94L
TUNER UNIT
(X05-397X-XX): JAPAN MADE, FRANCE MADE
(X05-398X-XX): SINGAPORE MADE

Ref. No. IC	Ref. No. Q	Address
	1	4F
	2	4E
	3	4F
	4	6F
	5	4E
	102	5F
	103	5F
	104	5F
	105	5G
	106	5G
	201	1F
	203	2C
	301	3E
	302	3D
	303	4D
	304	6C
	305	5D
	307	6C
	308	6D
1		5G
2		6E
3		5F
201		2D
202		2C

Refer to the schematic diagram for the values of resistors and capacitors.

TUNER UNIT
(X05-3972-XX)(A/2) JAPAN MADE, FRANCE MADE
(X05-3982-XX)(A/2) SINGAPORE MADE

T-94L

PRODUCT, P.	DESTINATION COUNTRY	ABB.	UNIT NAME	R15, 16	VR3	R322, 327, 328	J4, 5 25	T304	W303	Ⓐ
JAPAN MADE	ENGLAND	T	X05-3972-71	YES	NO	NO	YES	NO	NO	YES
	EUROPE	E								
SINGAPORE MADE	ENGLAND	T	X05-3982-71	NO	YES					
	EUROPE	E								
FRANCE MADE	EUROPE	E	X05-3972-72	NO	YES	NO	YES	NO	NO	YES

IC1 : LA1265
IC2 : AN7470
IC3 : LM7001

Q1 : 2SC1923(R,O)
Q2 : 2SC1845(F,E)
Q3,4,105,106,308 : 2SC945(A)(Q,P) or 2SC1740S(Q,R) or JC501(P,Q)
Q5 : 2SK364(GR,BL) or 2SK163(L,M)
Q102~104,303,307 : 2SA733(A)(Q,P) or 2SA933S(Q,R) or JA101(P,Q)
Q301,302 : 2SD1302(S,T)
Q304 : 2SC2003(L,K)
Q305 : 2SD1266(Q,P)

D1,2,4,101,103,109~116 313~316 : 1SS133 or HSS104 or IN4148
D3 : RD5.1ES(B2) or HZS5.1N(B2) or BZX55-C5V1
D301 : RD3.3ES(B2) or HZS3.3N(B2) or BZX55-C3V3
D302 : RD6.2ES(B2) or HZS6.2N(B2) or BZX55-C6V2
D303 : RD15ES(B) or HZS15N(B) or BZX55-C15
D304,307~312 : S5566B or IN4004

FET1 : 3SK101
FET2 : 2SK241
TR1 : 2SC2668
TR2 : 2SC2995
TR3 : 2SC2669
D1~4 : 1SV103

SIGNAL LINE
GND LINE
+B LINE
−B LINE

T-74L
(T, E) TYPE
To A-74 or A-54 or A-34
*W303

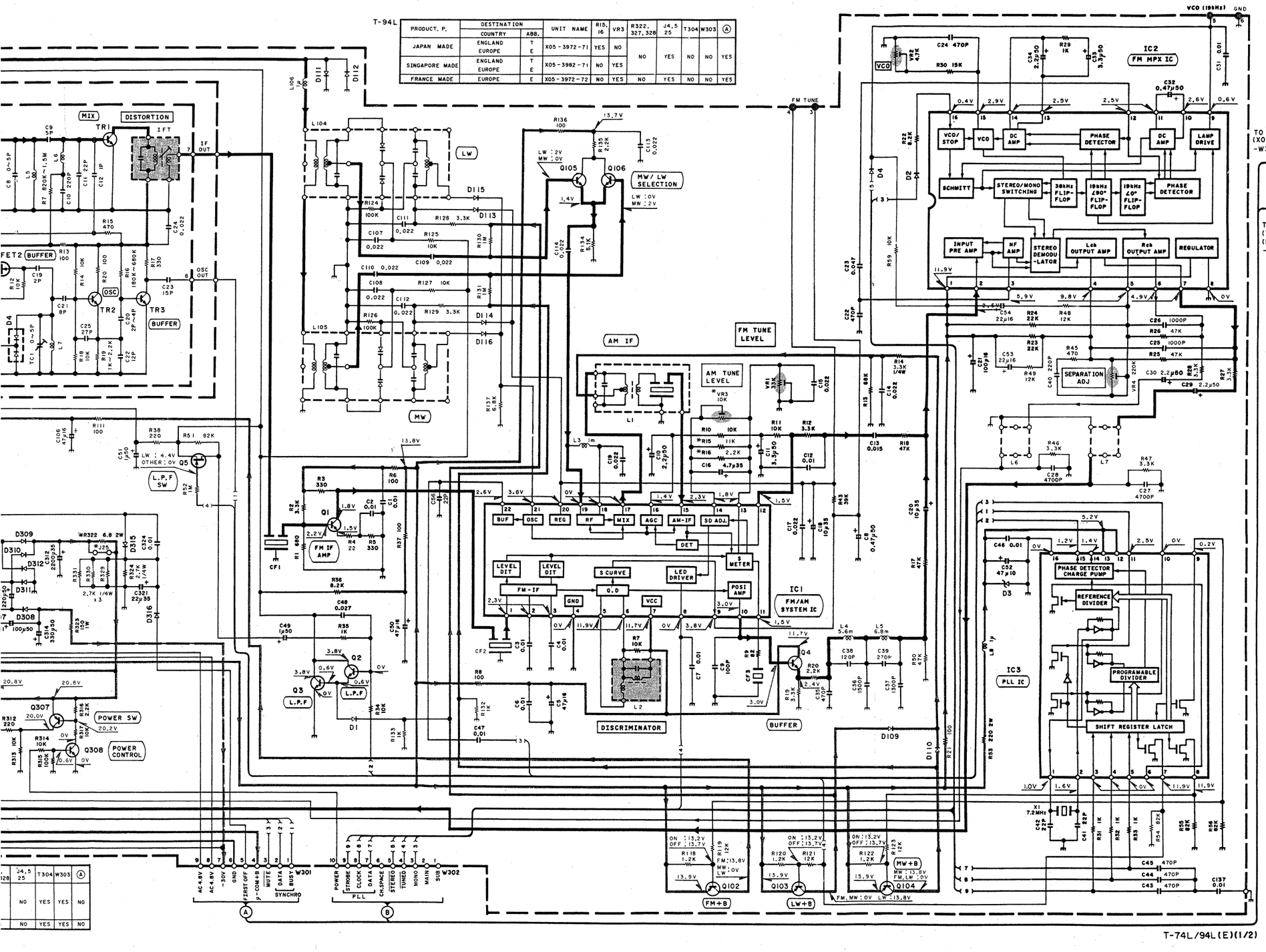
T-94L
(T, E) TYPE
AC220~240V 50Hz

T-74L

PRODUCT, P.	DESTINATION COUNTRY	ABB.	UNIT NAME	R15, 16	VR3	R322, 327, 328	J4, 5 25	T304	W303	Ⓐ
JAPAN MADE	ENGLAND	T	X05-3972-73	YES	NO	YES	NO	YES	YES	NO
	EUROPE	E								
SINGAPORE MADE	ENGLAND	T	X05-3982-72	NO	YES					
	EUROPE	E								
FRANCE MADE	EUROPE	E	X05-3972-74	NO	YES	YES	NO	YES	YES	NO

T-94L

PRODUCT. P.	DESTINATION COUNTRY	ABB.	UNIT NAME	R15, 16	VR3	R322, 327, 328	J4, 5 25	T304	W303	Ⓐ
JAPAN MADE	ENGLAND	T	X05-3972-71	YES	NO	NO	YES	NO	NO	YES
	EUROPE	E								
SINGAPORE MADE	ENGLAND	T	X05-3982-71	NO	YES					
	EUROPE	E								
FRANCE MADE	EUROPE	E	X05-3972-72	NO	YES	NO	YES	NO	NO	YES



T-74L/94L(E)(1/2)

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

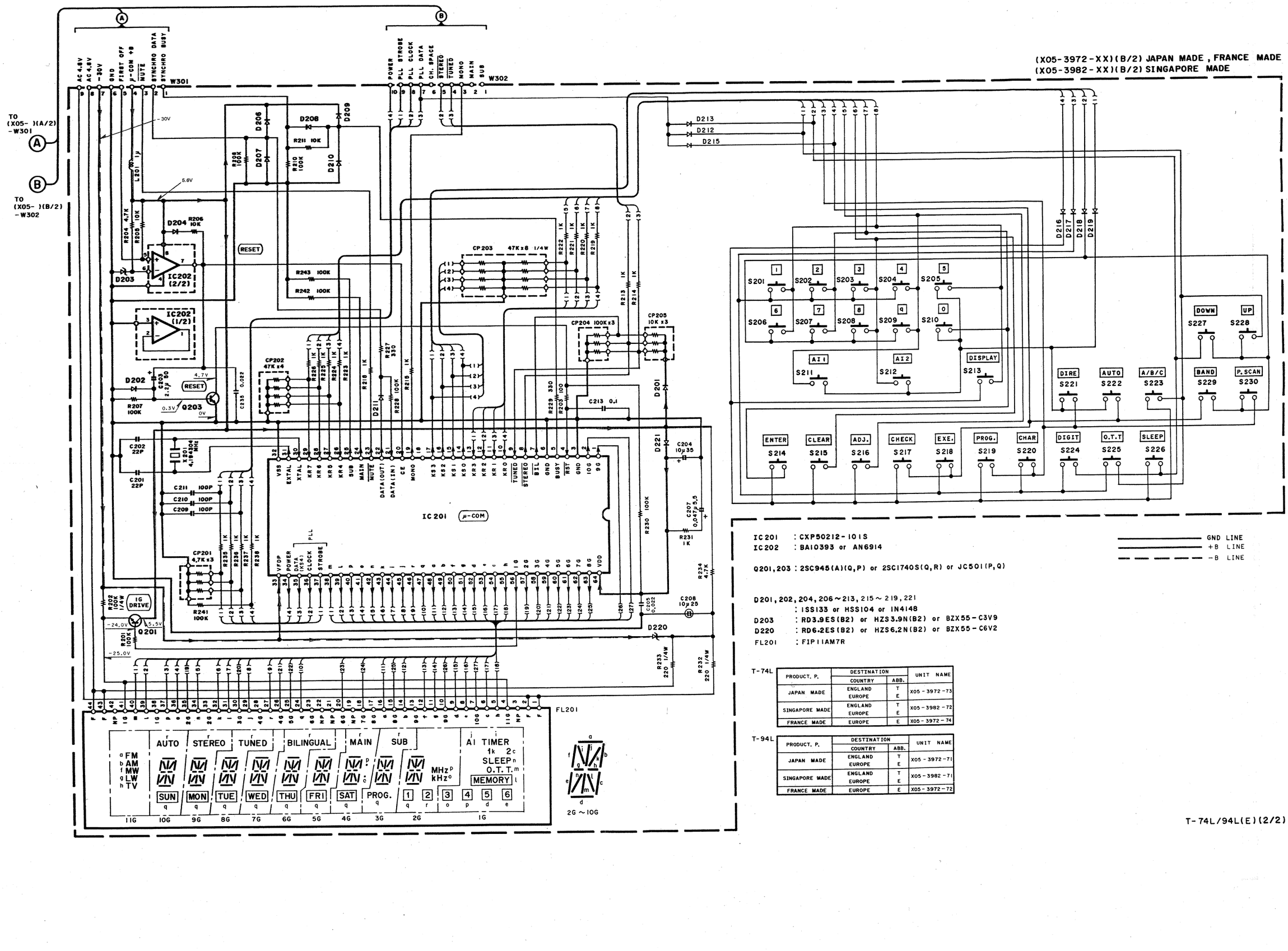
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y07-3372-70

T-74L/94L

KENWOOD

(X05-3972-XX)(B/2) JAPAN MADE, FRANCE MADE
(X05-3982-XX)(B/2) SINGAPORE MADE


W301
W302
IC201 (μ-COM)
IC202 (1/2)
IC202 (2/2)
Q201
Q203
FL201
RESET
IG DRIVE
S201 S202 S203 S204 S205 S206 S207 S208 S209 S210 S211 S212 S213 S214 S215 S216 S217 S218 S219 S220 S221 S222 S223 S224 S225 S226 S227 S228 S229 S230
AUTO STEREO TUNED BILINGUAL MAIN SUB AI TIMER SLEEP O.T.T MEMORY
SUN MON TUE WED THU FRI SAT PROG.
TO (X05-)(A/2)-W301
TO (X05-)(B/2)-W302

IC201 : CXP50212-101S
IC202 : BA10393 or AN6914

Q201,203 : 2SC945(A)(Q,P) or 2SC1740S(Q,R) or JC501(P,Q)

D201,202,204,206~213,215~219,221
: 1SS133 or HSS104 or IN4148
D203 : RD3.9ES(B2) or HZS3.9N(B2) or BZX55-C3V9
D220 : RD6.2ES(B2) or HZS6.2N(B2) or BZX55-C6V2
FL201 : FIP11AM7R

GND LINE
+B LINE
-B LINE

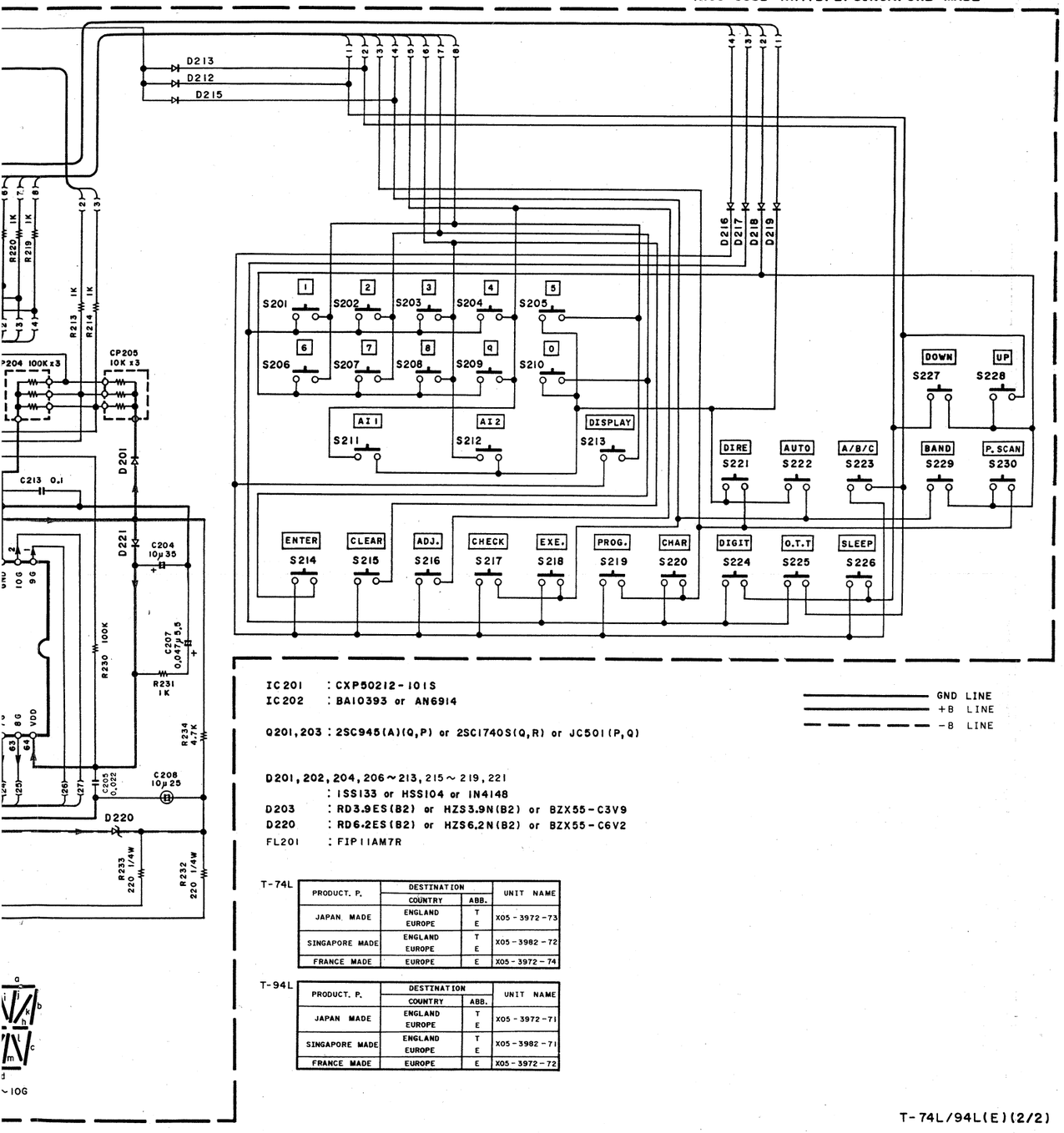
T-74L

PRODUCT. P.	DESTINATION		UNIT NAME
	COUNTRY	ABB.	
JAPAN MADE	ENGLAND EUROPE	T E	X05-3972-73
SINGAPORE MADE	ENGLAND EUROPE	T E	X05-3982-72
FRANCE MADE	EUROPE	E	X05-3972-74

T-94L

PRODUCT. P.	DESTINATION		UNIT NAME
	COUNTRY	ABB.	
JAPAN MADE	ENGLAND EUROPE	T E	X05-3972-71
SINGAPORE MADE	ENGLAND EUROPE	T E	X05-3982-71
FRANCE MADE	EUROPE	E	X05-3972-72

(X05-3972-XX)(B/2) JAPAN MADE , FRANCE MADE
(X05-3982-XX)(B/2) SINGAPORE MADE



IC201 : CXP50212-101S
IC202 : BA10393 or AN6914

Q201,203 : 2SC945(A)(Q,P) or 2SC1740S(Q,R) or JC501(P,Q)

D201,202,204,206~213,215~219,221
: 1SS133 or HSS104 or IN4148
D203 : RD3.9ES(B2) or HZS3.9N(B2) or BZX55-C3V9
D220 : RD6.2ES(B2) or HZS6.2N(B2) or BZX55-C6V2
FL201 : FIP11AM7R

GND LINE
+B LINE
−B LINE

T-74L

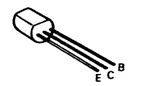
PRODUCT. P.	DESTINATION		UNIT NAME
	COUNTRY	ABB.	
JAPAN MADE	ENGLAND EUROPE	T E	X05-3972-73
SINGAPORE MADE	ENGLAND EUROPE	T E	X05-3982-72
FRANCE MADE	EUROPE	E	X05-3972-74

T-94L

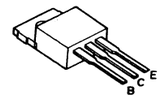
PRODUCT. P.	DESTINATION		UNIT NAME
	COUNTRY	ABB.	
JAPAN MADE	ENGLAND EUROPE	T E	X05-3972-71
SINGAPORE MADE	ENGLAND EUROPE	T E	X05-3982-71
FRANCE MADE	EUROPE	E	X05-3972-72

T-74L/94L(E)(2/2)

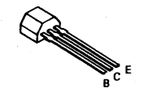
JA101
JC501
2SA733 (A)
2SC1845
2SC1923
2SC2003
2SC945 (A)
2SD1302



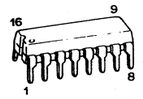
2SD1266



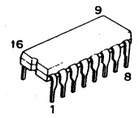
2SA933S
2SC1740S



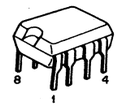
LM7001



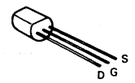
AN7470



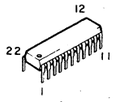
BA10393



2SK163
2SK364



LA1265



DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y03-3372-70

T-74L/94L
KENWOOD

TUNER UNIT
(X05-397X-XX)(A/2) JAPAN MADE
(X05-398X-XX)(A/2) SINGAPORE MADE

FM FRONT END (W02-1042-05)

FET1 : 2SK241
TR1 : 2SC2668
TR2 : 2SC2995
TR3 : 2SC2669

D1~3 : 1SV103

IC1	: LA1265
IC2	: AN7470
IC3	: LM7001
Q1	: 2SC1923 (R,O)
Q2	: 2SC1845 (F,E)
Q3,107,108,308	: 2SC945 (A)(Q,P) or 2SC1740S(Q,R)
Q102,104,303 307	: 2SA733(A)(Q,P) or 2SA933S(Q,R)
Q301,302	: 2SD1302(S,T)
Q304	: 2SC2003(L,K)
Q305	: 2SD1266(Q,P)

D2,4,111,112,313~316 : 1SS133 or HSS104
D3 : RD5.1ES(B2) or HZS5.1N(B2)
D301 : RD3.3ES(B2) or HZS3.3N(B2)
D302 : RD6.2ES(B2) or HZS6.2N(B2)
D303 : RD15ES(B) or HZS15N(B)
D304,307~312 : S5566B

SIGNAL LINE
GND LINE
+B LINE
-B LINE

T-74 (M,X) TYPE
T-94 (M) TYPE
T-94 (X) TYPE

T-74

PRODUCT. P.	DESTINATION COUNTRY	ABB.	UNIT NAME	SI01	R15,16	R322 327.328	T304	W303	J4.5.25	Ⓐ Ⓑ	Ⓒ	VR3
JAPAN MADE	GENERAL MARKET	M	X05-3970-21	YES	NO	YES	YES	YES	NO	NO	YES	YES
	AUSTRALIA	X	X05-3970-72	NO	NO	YES	YES	YES	NO	NO	NO	YES
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-21	YES	YES	YES	YES	YES	NO	NO	YES	NO
	AUSTRALIA	X	X05-3980-72	NO	YES	YES	YES	YES	NO	NO	NO	NO

T-94

PRODUCT. P.	DESTINATION COUNTRY	ABB.	UNIT NAME	SI01	R15,16	R322 327.326	T304	W303	J4.5.25	Ⓐ Ⓒ	Ⓑ	VR3
JAPAN MADE	GENERAL MARKET	M	X05-3970-20	YES	NO	NO	NO	NO	YES	YES	NO	YES
	AUSTRALIA	X	X05-3970-71	NO	NO	NO	NO	NO	YES	NO	YES	YES
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-20	YES	YES	NO	NO	NO	YES	YES	NO	NO
	AUSTRALIA	X	X05-3980-71	NO	YES	NO	NO	NO	YES	NO	YES	NO

IC1	: LA1265
IC2	: AN7470
IC3	: LM7001
Q1	: 2SC1923 (R,O)
Q2	: 2SC1845 (F,E)
Q3, 107, 108, 308	: 2SC945 (A)(Q,P) or 2SC1740S(Q,R)
Q102, 104, 303 307	: 2SA733 (A)(Q,P) or 2SA933S(Q,R)
Q301, 302	: 2SD1302 (S,T)
Q304	: 2SC2003 (L,K)
Q305	: 2SD1266 (Q,P)

D2, 4, 111, 112, 313 ~ 316	: 1SS133 or HSS104
D3	: RD5.1ES(B2) or HZS5.1N(B2)
D301	: RD3.3ES(B2) or HZS3.3N(B2)
D302	RD6.2ES(B2) or HZS6.2N(B2)
D303	: RD15ES(B) or HZS15N(B)
D304, 307 ~ 312	: S5566B

SIGNAL LINE
GND LINE
+B LINE
−B LINE

T-94

PRODUCT. P.	DESTINATION		UNIT NAME	SI01	R15, 16	R322 327, 328	T304	W303	J4, 5, 25	Ⓐ Ⓒ	Ⓑ	VR3
	COUNTRY	ABB.										
JAPAN MADE	GENERAL MARKET	M	X05-3970-20	YES	NO	NO	NO	NO	YES	YES	NO	YES
	AUSTRALIA	X	X05-3970-71	NO	NO	NO	NO	NO	YES	NO	YES	YES
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-20	YES	YES	NO	NO	NO	YES	YES	NO	NO
	AUSTRALIA	X	X05-3980-71	NO	YES	NO	NO	NO	YES	NO	YES	NO

T-74/94(M)(1/2)

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

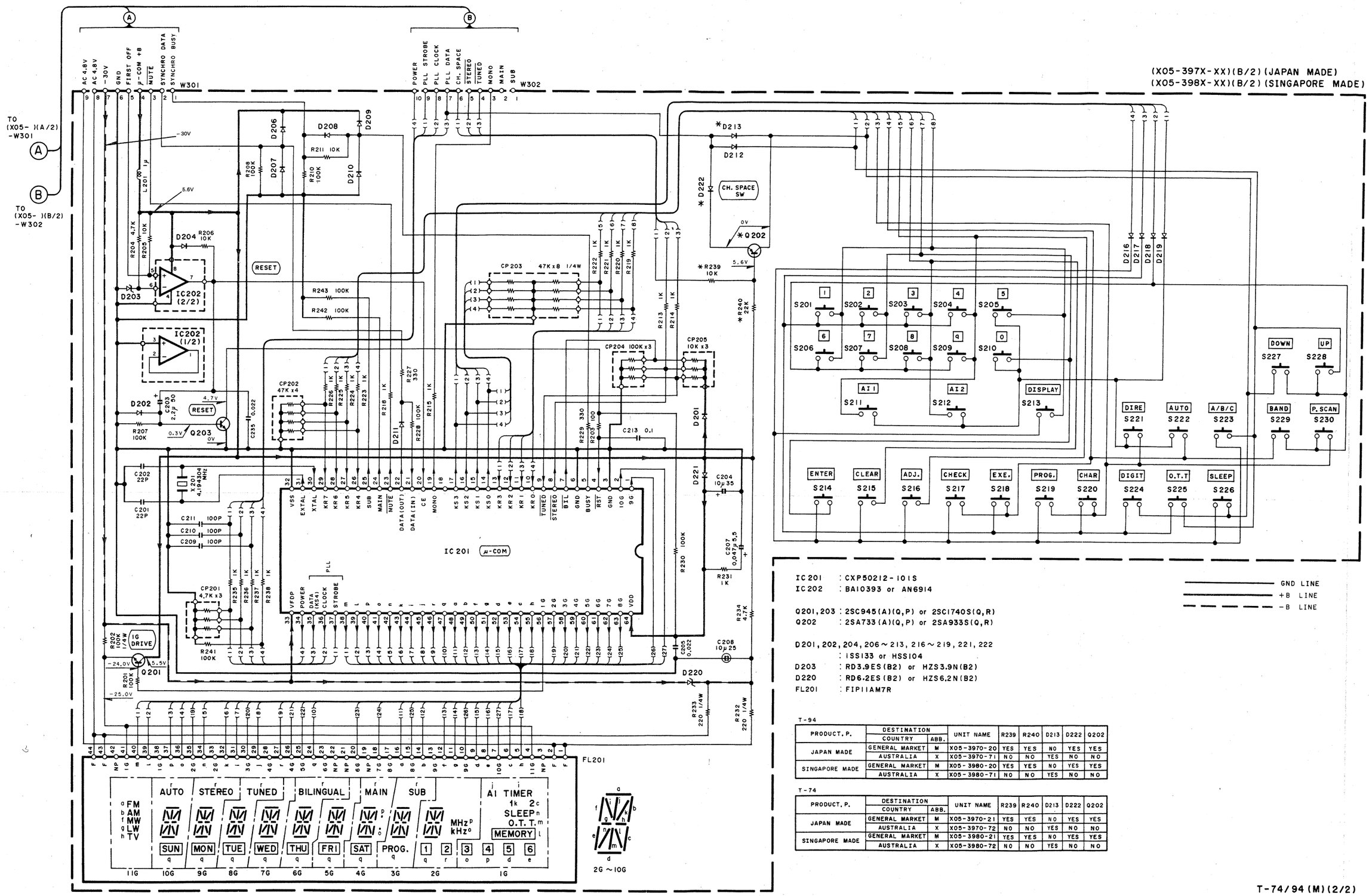
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y07-3372-70

T-74/94

KENWOOD

(X05-397X-XX)(B/2)(JAPAN MADE)
(X05-398X-XX)(B/2)(SINGAPORE MADE)



IC201 : CXP50212-101S
IC202 : BA10393 or AN6914

Q201,203 : 2SC945(A)(Q,P) or 2SC1740S(Q,R)
Q202 : 2SA733(A)(Q,P) or 2SA933S(Q,R)

D201,202,204,206～213,216～219,221,222
: 1SS133 or HSS104
D203 : RD3.9ES(B2) or HZS3.9N(B2)
D220 : RD6.2ES(B2) or HZS6.2N(B2)
FL201 : FIP11AM7R

GND LINE
+B LINE
-B LINE

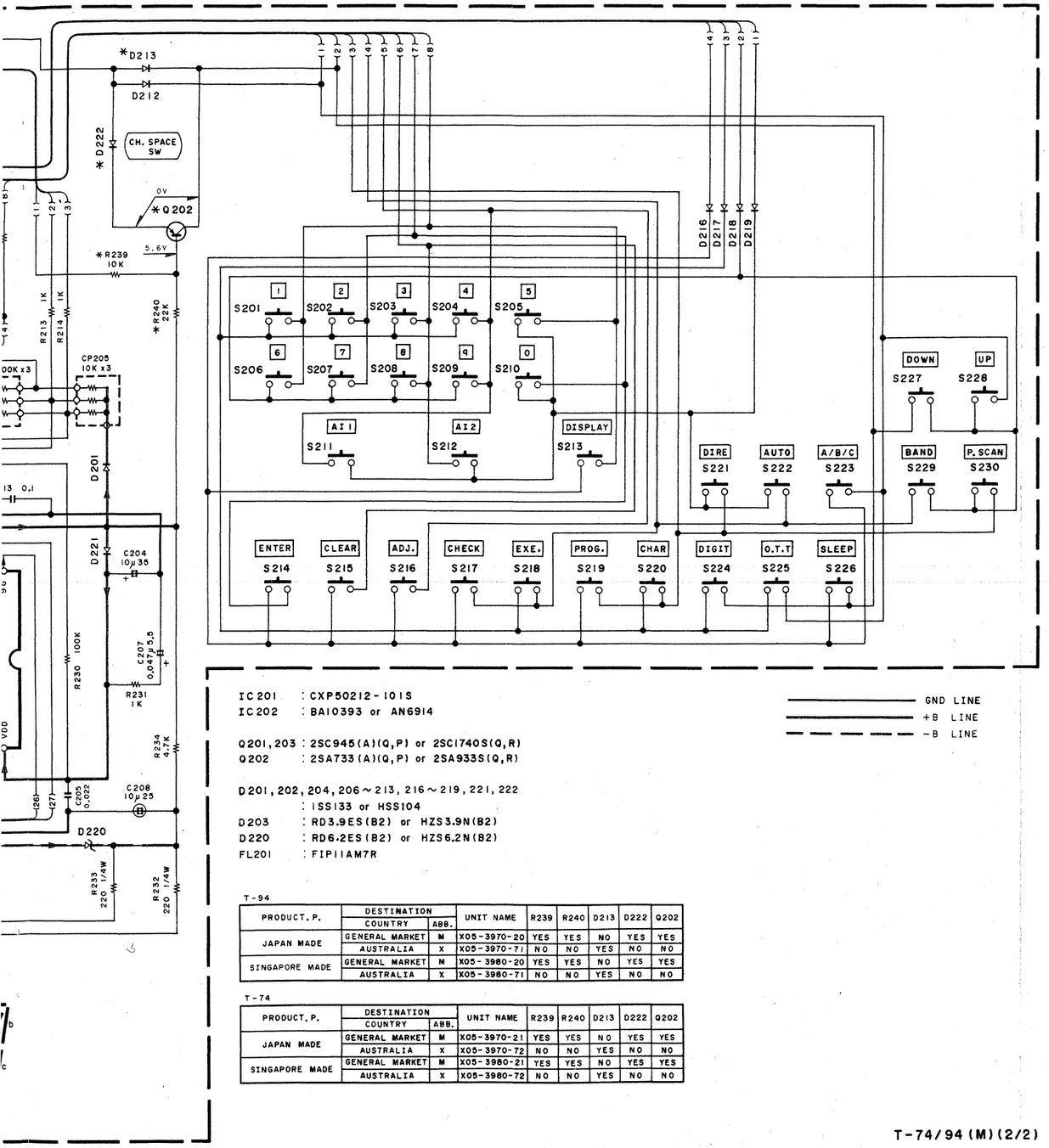
T-94

PRODUCT. P.	DESTINATION		UNIT NAME	R239	R240	D213	D222	Q202
	COUNTRY	ABB.						
JAPAN MADE	GENERAL MARKET	M	X05-3970-20	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3970-71	NO	NO	YES	NO	NO
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-20	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3980-71	NO	NO	YES	NO	NO

T-74

PRODUCT. P.	DESTINATION		UNIT NAME	R239	R240	D213	D222	Q202
	COUNTRY	ABB.						
JAPAN MADE	GENERAL MARKET	M	X05-3970-21	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3970-72	NO	NO	YES	NO	NO
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-21	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3980-72	NO	NO	YES	NO	NO

(X05-397X-XX)(B/2)(JAPAN MADE)
(X05-398X-XX)(B/2)(SINGAPORE MADE)



IC201 : CXP50212-101S
IC202 : BA10393 or AN6914

Q201,203 : 2SC945(A)(Q,P) or 2SC1740S(Q,R)
Q202 : 2SA733(A)(Q,P) or 2SA933S(Q,R)

D201,202,204,206～213,216～219,221,222
: 1SS133 or HSS104
D203 : RD3.9ES(B2) or HZS3.9N(B2)
D220 : RD6.2ES(B2) or HZS6.2N(B2)
FL201 : FIP11AM7R

GND LINE
+B LINE
-B LINE

T-94

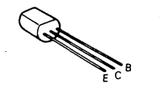
PRODUCT. P.	DESTINATION		UNIT NAME	R239	R240	D213	D222	Q202
	COUNTRY	ABB.						
JAPAN MADE	GENERAL MARKET	M	X05-3970-20	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3970-71	NO	NO	YES	NO	NO
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-20	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3980-71	NO	NO	YES	NO	NO

T-74

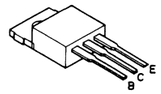
PRODUCT. P.	DESTINATION		UNIT NAME	R239	R240	D213	D222	Q202
	COUNTRY	ABB.						
JAPAN MADE	GENERAL MARKET	M	X05-3970-21	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3970-72	NO	NO	YES	NO	NO
SINGAPORE MADE	GENERAL MARKET	M	X05-3980-21	YES	YES	NO	YES	YES
	AUSTRALIA	X	X05-3980-72	NO	NO	YES	NO	NO

T-74/94 (M)(2/2)

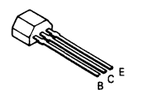
JA101
JC501
2SA733 (A)
2SC1845
2SC1923
2SC2003
2SC945 (A)
2SD1302



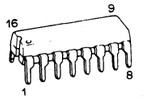
2SD1266



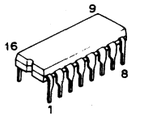
2SA933S
2SC1740S



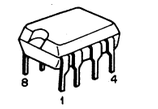
LM7001



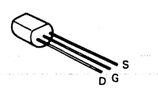
AN7470



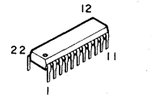
BA10393



2SK163
2SK364



LA1265



DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

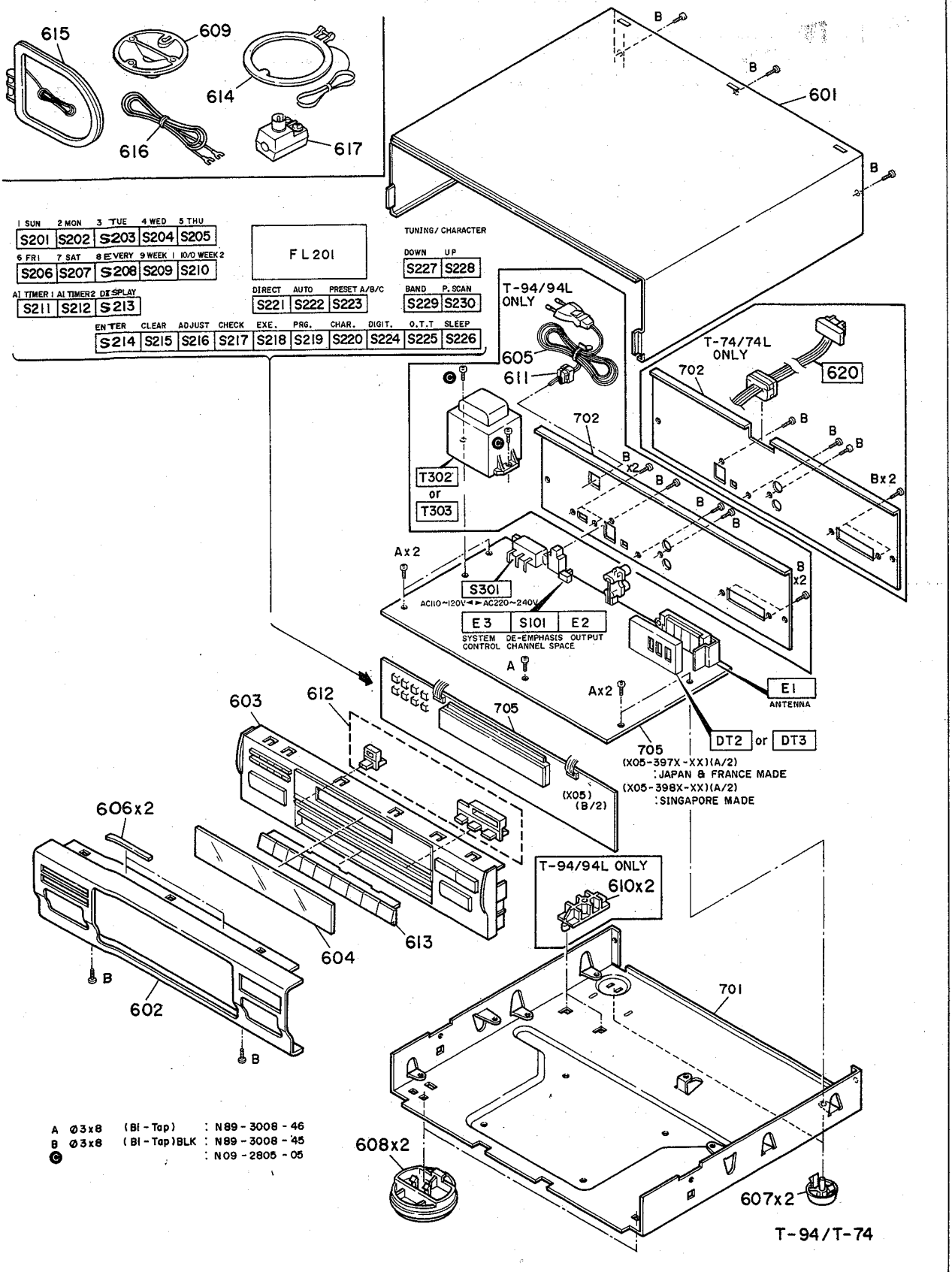
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y07-3372-70

T-74/94
KENWOOD

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

T-74/74L/94/94L

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			T-74			
601	1B		A01-1799-01	METALLIC CABINET		J
601	1B	*	A01-1887-01	METALLIC CABINET		S
602	3A	*	A20-6073-02	PANEL		
603	2A	*	A22-1422-01	SUB PANEL		J
603	2A	*	A22-1450-01	SUB PANEL		S
604	3A	*	B10-1812-03	FRONT GLASS		
-			B44-6006-04	POS LABEL		J
-			B46-0096-13	WARRANTY CARD	X	
606	2A		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H01-8855-04	ITEM CARTON CASE		J
-		*	H01-8858-04	ITEM CARTON CASE		S
-		*	H10-5040-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-5055-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0224-04	PROTECTION BAG (800X400X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
607	3B		J02-0370-05	FOOT (REAR)		
608	3A		J02-1040-05	FOOT (FRONT)		
609	1A		J19-2815-04	ANTENNA HOLDER		
612	2A	*	K29-3979-03	KNOB(DISPLAY,DIRECT,AUTO,etc.)		
613	3A	*	K29-3980-03	KNOB(ENTER,CLEAR,ADJUST,etc.)		
A	2A,2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	1B,2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
615	1A		T90-0173-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		
616	1A		T90-0175-05	T TYPE ANTENNA		S
616	1A		T90-0176-05	T TYPE ANTENNA		J
			T-74L			
601	1B		A01-1799-01	METALLIC CABINET		J
601	1B		A01-1799-01	METALLIC CABINET		F
601	1B	*	A01-1887-01	METALLIC CABINET		S
602	3A	*	A20-6074-02	PANEL		
603	2A	*	A22-1422-01	SUB PANEL		J
603	2A	*	A22-1422-01	SUB PANEL		F
603	2A	*	A22-1450-01	SUB PANEL		S
604	3A	*	B10-1812-03	FRONT GLASS		
-			B44-6006-04	POS LABEL		J
-			B44-6006-04	POS LABEL		F
-			B46-0122-13	WARRANTY CARD	E	J
-			B46-0122-13	WARRANTY CARD	E	S
-			B46-0139-03	WARRANTY CARD		F
-			B46-0143-13	WARRANTY CARD	T	
606	2A		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H01-8856-04	ITEM CARTON CASE		J
-		*	H01-8857-04	ITEM CARTON CASE		F
-		*	H01-8859-04	ITEM CARTON CASE	T	S
-		*	H01-8860-04	ITEM CARTON CASE	E	S
-		*	H10-5040-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-5054-02	POLYSTYRENE FOAMED FIXTURE		F

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-		*	H10-5055-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0224-04	PROTECTION BAG (800X400X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
607	3B		J02-0370-05	FOOT (REAR)		
608	3A		J02-1040-05	FOOT (FRONT)		
609	1A		J19-2815-04	ANTENNA HOLDER		
612	2A	*	K29-3979-03	KNOB(DISPLAY,DIRECT,AUTO,etc.)		
613	3A	*	K29-3980-03	KNOB(ENTER,CLEAR,ADJUST,etc.)		
A	2A,2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	1B,2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
614	1A		T90-0153-05	LOOP ANTENNA		F
615	1A		T90-0173-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		S
616	1A		T90-0175-05	T TYPE ANTENNA		S
616	1A		T90-0176-05	T TYPE ANTENNA		J
616	1A		T90-0176-05	T TYPE ANTENNA		F
617	1A		T90-0177-05	ANTENNA ADAPTOR		
				T-94		
601	1B		A01-1799-01	METALLIC CABINET		J
601	1B	*	A01-1887-01	METALLIC CABINET		S
602	3A	*	A20-6070-02	PANEL		
603	2A	*	A22-1422-01	SUB PANEL		J
603	2A	*	A22-1450-01	SUB PANEL		S
604	3A	*	B10-1812-03	FRONT GLASS		
-			B44-6006-04	POS LABEL		
-			B46-0096-13	WARRANTY CARD	X	
⚠ 605	1B		E30-2592-15	AC POWER CORD	M	
⚠ 605	1B		E30-2594-15	AC POWER CORD	X	
606	2A		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H01-8848-04	ITEM CARTON CASE		J
-		*	H01-8851-04	ITEM CARTON CASE		S
-		*	H10-5040-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-5055-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0224-04	PROTECTION BAG (800X400X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
607	3B		J02-0370-05	FOOT (REAR)		
608	3A		J02-1040-05	FOOT (FRONT)		
609	1A		J19-2815-04	ANTENNA HOLDER		
610	3B	*	J19-3314-04	HOLDER		
⚠ 611	1B		J42-0083-05	POWER CORD BUSHING		
612	2A	*	K29-3979-03	KNOB(DISPLAY,DIRECT,AUTO,etc)		
613	3A	*	K29-3980-03	KNOB(ENTER,CLEAR,ADJUST,etc.)		
A	2A,2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	1B,2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	1A,2B	*	N09-2805-05	TAPTITE SCREW		
615	1A		T90-0173-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		
616	1A		T90-0175-05	T TYPE ANTENNA		S
616	1A		T90-0176-05	T TYPE ANTENNA		J

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

T-74/74L/94/94L

PARTS LIST

× New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			T-94L			
601	1B		A01-1799-01	METALLIC CABINET		J
601	1B		A01-1799-01	METALLIC CABINET		F
601	1B	*	A01-1887-01	METALLIC CABINET		S
602	3A	*	A20-6071-02	PANEL		
603	2A	*	A22-1422-01	SUB PANEL		J
603	2A	*	A22-1422-01	SUB PANEL		F
603	2A	*	A22-1450-01	SUB PANEL		S
604	3A	*	B10-1812-03	FRONT GLASS		
-			B44-6006-04	POS LABEL		J
-			B44-6006-04	POS LABEL		F
-			B46-0122-13	WARRANTY CARD	E	J
-			B46-0122-13	WARRANTY CARD	E	S
-			B46-0139-03	WARRANTY CARD		F
-			B46-0143-13	WARRANTY CARD	T	
⚠ 605	1B		E30-2592-15	AC POWER CORD	E	
⚠ 605	1B		E30-2593-15	AC POWER CORD	T	
606	2A		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H01-8849-04	ITEM CARTON CASE		J
-		*	H01-8850-04	ITEM CARTON CASE		F
-		*	H01-8852-04	ITEM CARTON CASE	T	S
-		*	H01-8853-04	ITEM CARTON CASE	E	S
-		*	H10-5040-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-5054-02	POLYSTYRENE FOAMED FIXTURE		F
-		*	H10-5055-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0224-04	PROTECTION BAG (800X400X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
607	3B		J02-0370-05	FOOT (REAR)		
608	3A		J02-1040-05	FOOT (FRONT)		
609	1A		J19-2815-04	ANTENNA HOLDER		
610	3B	*	J19-3314-04	HOLDER		
⚠ 611	1B		J42-0083-05	POWER CORD BUSHING		
612	2A	*	K29-3979-03	KNOB(DISPLAY,DIRECT,AUTO,etc.)		
613	3A	*	K29-3980-03	KNOB(ENTER,CLEAR,ADJUST,etc.)		
A	2A,2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	1B,2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	1A,2B	*	N09-2805-05	TAPTITE SCREW		
614	1A		T90-0153-05	LOOP ANTENNA		F
615	1A		T90-0173-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		J
615	1A		T90-0174-05	LOOP ANTENNA		S
616	1A		T90-0175-05	T TYPE ANTENNA		S
616	1A		T90-0176-05	T TYPE ANTENNA		J
616	1A		T90-0176-05	T TYPE ANTENNA		F
617	1A		T90-0177-05	ANTENNA ADAPTOR		
			T-74/94 TUNER UNIT : X05-397X-XX (JAPAN MADE) X05-398X-XX (SINGAPORE MADE)			
C1 -4			CK45FF1H103Z	CERAMIC 0.010UF Z		
C5			CE04KW1C470M	ELECTRO 47UF 16WV		
C6			C91-0769-05	CERAMIC 0.01UF K		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04KW1HR47M	ELECTRO 0.47UF 50WV		

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C9			CC45FSL1H101J	CERAMIC 100PF J		
C10			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C11			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C12			CK45FF1H103Z	CERAMIC 0.010UF Z		
C13			CF92FV1H153J	MF 0.015UF J		
C14 ,15			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CK45FF1H223Z	CERAMIC 0.022UF Z		
C18			CE04KW1V100M	ELECTRO 10UF 35WV		
C19			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CE04KW1V100M	ELECTRO 10UF 35WV		
C21			CE04KW1C101M	ELECTRO 100UF 16WV		
C22			CK45FB1H471K	CERAMIC 470PF K		
C23			CF92FV1H473J	MF 0.047UF J		
C24			CC93FCH1H471J	CERAMIC 470PF J		
C25 ,26			CC45FSL1H151J	CERAMIC 150PF J		
C27 ,28			CF92FV1H123J	MF 0.012UF J		
C29 ,30			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C31			CK45FF1H103Z	CERAMIC 0.010UF Z		
C32			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C33			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C34			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C41 ,42			CC45FCH1H220J	CERAMIC 22PF J		
C43 -45			CK45FB1H471K	CERAMIC 470PF K		
C46			CK45FF1H103Z	CERAMIC 0.010UF Z		
C47			C91-0769-05	CERAMIC 0.01UF K		
C48			CF92FV1H273J	MF 0.027UF J		
C49			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04KW1C470M	ELECTRO 47UF 16WV		
C51			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04KW1A470M	ELECTRO 47UF 10WV		
C56			CC45FSL1H220J	CERAMIC 22PF J		
C106			CE04KW1C470M	ELECTRO 47UF 16WV		
C107			CK45FF1H223Z	CERAMIC 0.022UF Z		
C135,136			CF92FV1H752J	MF 7500PF J	M	
C137			C91-0769-05	CERAMIC 0.01UF K		
C201,202			CC45FCH1H220J	CERAMIC 22PF J		
C203			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C204			CE04KW1V100M	ELECTRO 10UF 35WV		
C205			C91-0085-05	CERAMIC 0.022UF N		
C207			C90-1826-05	BACKUP 0.047F 5.5WV		
C208			C90-1332-05	NP-ELEC 10UF 25WV		
C209-211			C91-0745-05	CERAMIC 100PF K		
C213			CF92FV1H104J	MF 0.10UF J		
C235			CK45FF1H223Z	CERAMIC 0.022UF Z		
C301			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C302			CE04KW1A470M	ELECTRO 47UF 10WV		
C303			CE04DW1C471M	ELECTRO 470UF 16WV		
C304			CE04KW1E221M	ELECTRO 220UF 25WV		
C309			CE04KW1H101M	ELECTRO 100UF 50WV		
C310			CE04DW1H221M	ELECTRO 220UF 50WV		
C311			CE04KW1H101M	ELECTRO 100UF 50WV		
C312			CE04KW1V222M	ELECTRO 2200UF 35WV		
C314			CE04KW1H331M	ELECTRO 330UF 50WV		
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C318,319			CC45FSL1H221J	CERAMIC 220PF J		
C320			CE04KW1V100M	ELECTRO 10UF 35WV		
C321			CE04KW1V220M	ELECTRO 22UF 35WV		
C323			CE04KW1A471M	ELECTRO 470UF 10WV		
C324			CK45FF1H103Z	CERAMIC 0.010UF Z		
620	1B	*	E30-2630-05	CORD WITH CONNECTOR(W303)		7
E1	2B		E20-0476-05	LOCK TERMINAL BOARD (ANTENNA)		
E2	2B		E13-0235-05	PHONO JACK (OUTPUT)		
E3	2B	*	E08-0312-05	RECTANGULAR RECEPTACLE		
CF1 ,2			L72-0531-05	CERAMIC FILTER		
CF3			L72-0096-05	CERAMIC FILTER		
L1		*	L30-0488-05	AM IFT		
L2			L30-0439-25	FM IFT(10.7MHz) DISCRIMINATOR		
L8			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L103			L39-0189-05	COMBINATION COIL		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L201			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
⚠ T302	2A	*	L07-0153-05	POWER TRANSFORMER	M	9
⚠ T303	2A	*	L07-0152-05	POWER TRANSFORMER	X	9
T304			L19-0066-05	TRANSFORMER FOR CONVERTER		7
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X201			L77-1176-05	CRYSTAL RESONATOR(4.194304MHz)		
CP201			R90-0832-05	MULTIPLE RESISTOR 4.7KX3		
CP202			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
CP203			R90-0804-05	MULTI-COMP 47KX8 J 1/4W		
CP204			R90-0292-05	MULTI-COMP 100KX3 J 1/6W		
CP205			R90-0290-05	MULTI-COMP 10KX3 J 1/6W		
R53			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R307			RS14KB3D151J	FL-PROOF RS 150 J 2W		
R308			RS14KB3D121J	FL-PROOF RS 120 J 2W		
R322			RS14KB3D6R8J	FL-PROOF RS 6.8 J 2W		7
R323			RS14KB3A151J	FL-PROOF RS 150 J 1W		
R327,328			RS14KB3A1R5J	FL-PROOF RS 1.5 J 1W		7
VR1			R12-3130-05	TRIMMING POT.(33K) FM TUNE		
VR2			R12-1089-05	TRIMMING POT.(4.7K)VCO		
VR3			R12-3126-05	TRIMMING POT.(10K) AM TUNE		S
S101	2B		S31-2094-05	SLIDE SWITCH(DE-EM.,CH.SPACE)	M	
S201-230	1A		S40-1064-05	PUSH SWITCH (1-10/0,etc)		
⚠ S301	2B		S31-2131-05	SLIDE SWITCH(POWER TYPE)	M	9
D2			HSS104	DIODE		
D2			1SS133	DIODE		
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			HSS104	DIODE		
D4			1SS133	DIODE		
D111,112			HSS104	DIODE		
D111,112			1SS133	DIODE		
D201,202			HSS104	DIODE		
D201,202			1SS133	DIODE		
D203			HZS3.9N(B2)	ZENER DIODE		
D203			RD3.9ES(B2)	ZENER DIODE		
D204			HSS104	DIODE		
D204			1SS133	DIODE		
D206-212			HSS104	DIODE	M	

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D206-212			1SS133	DIODE	M	
D206-213			HSS104	DIODE	X	
D206-213			1SS133	DIODE	X	
D216-219			HSS104	DIODE		
D216-219			1SS133	DIODE		
D220			HZS6.2N(B2)	ZENER DIODE		
D220			RD6.2ES(B2)	ZENER DIODE		
D221			HSS104	DIODE	X	
D221			1SS133	DIODE	X	
D221,222			HSS104	DIODE	M	
D221,222			1SS133	DIODE	M	
D301			HZS3.3N(B2)	ZENER DIODE		
D301			RD3.3ES(B2)	ZENER DIODE		
D302			HZS6.2N(B2)	ZENER DIODE		
D302			RD6.2ES(B2)	ZENER DIODE		
D303			HZS15N(B)	ZENER DIODE		
D303			RD15ES(B)	ZENER DIODE		
D304			S5566B	DIODE		
D307-312			S5566B	DIODE		
D313-316			HSS104	DIODE		
D313-316			1SS133	DIODE		
FL201	1A	*	FIP11AM7R	FLUORESCENT INDICATOR TUBE		
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC201		*	CXP50212-101S	IC(u-COM)		
IC202		*	AN6914	IC(DUAL COMPALATOR)		
IC202			BA10393	IC(DUAL COMPALATOR)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC945(A)(Q,P)	TRANSISTOR		
Q102			2SA733(A)(Q,P)	TRANSISTOR		
Q102			2SA933S(Q,R)	TRANSISTOR		
Q104			2SA733(A)(Q,P)	TRANSISTOR		
Q104			2SA933S(Q,R)	TRANSISTOR		
Q107,108			2SC1740S(Q,R)	TRANSISTOR	M	
Q107,108			2SC945(A)(Q,P)	TRANSISTOR	M	
Q201			2SC1740S(Q,R)	TRANSISTOR		
Q201			2SC945(A)(Q,P)	TRANSISTOR		
Q202			2SA733(A)(Q,P)	TRANSISTOR	M	
Q202			2SA933S(Q,R)	TRANSISTOR	M	
Q203			2SC1740S(Q,R)	TRANSISTOR		
Q203			2SC945(A)(Q,P)	TRANSISTOR		
Q301,302			2SD1302(S,T)	TRANSISTOR		
Q303			2SA733(A)(Q,P)	TRANSISTOR		
Q303			2SA933S(Q,R)	TRANSISTOR		
Q304			2SC2003(L,K)	TRANSISTOR		
Q305			2SD1266(Q,P)	TRANSISTOR		
Q307			2SA733(A)(Q,P)	TRANSISTOR		
Q307			2SA933S(Q,R)	TRANSISTOR		
Q308			2SC1740S(Q,R)	TRANSISTOR		
Q308			2SC945(A)(Q,P)	TRANSISTOR		
DT3	2B		W02-1042-05	FM FRONT-END ASSY		

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

T-74/74L/94/94L

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
T-74L/94L TUNER UNIT : X05-397X-XX (JAPAN MADE, FRANCE MADE) X05-398X-XX (SINGAPORE MADE)						
C1 -4			CK45FF1H103Z	CERAMIC 0.010UF Z		
C5			CE04KW1C470M	ELECTRO 47UF 16WV		
C6			C91-0769-05	CERAMIC 0.01UF K		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C9			CC45FSL1H101J	CERAMIC 100PF J		
C10			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C11			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C12			CK45FF1H103Z	CERAMIC 0.010UF Z		
C13			CF92FV1H153J	MF 0.015UF J		
C14 ,15			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CK45FF1H223Z	CERAMIC 0.022UF Z		
C18			CE04KW1V100M	ELECTRO 10UF 35WV		
C19			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CE04KW1V100M	ELECTRO 10UF 35WV		
C21			CE04KW1C101M	ELECTRO 100UF 16WV		
C22			CK45FB1H471K	CERAMIC 470PF K		
C23			CF92FV1H473J	MF 0.047UF J		
C24			CC93FCH1H471J	CERAMIC 470PF J		
C25 ,26			CK45FB1H102K	CERAMIC 0.001UF K		
C27 ,28			CF92FV1H472J	MF 4700PF J		
C29 ,30			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C31			CK45FF1H103Z	CERAMIC 0.010UF Z		
C32			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C33			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C34			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C35			CK45FB1H471K	CERAMIC 470PF K		
C36			CF92FV1H152J	MF 1500PF J		
C37			CF92FV1H132J	MF 1300PF J		
C38			CC45FSL1H121J	CERAMIC 120PF J		
C39			CC45FSL1H271J	CERAMIC 270PF J		
C40			CC45FSL1H221J	CERAMIC 220PF J		
C41 ,42			CC45FCH1H220J	CERAMIC 22PF J		
C43 -45			CK45FB1H471K	CERAMIC 470PF K		
C46			CK45FF1H103Z	CERAMIC 0.010UF Z		
C47			C91-0769-05	CERAMIC 0.01UF K		
C48			CF92FV1H273J	MF 0.027UF J		
C49			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04KW1C470M	ELECTRO 47UF 16WV		
C51			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04KW1A470M	ELECTRO 47UF 10WV		
C53 ,54			CE04KW1C220M	ELECTRO 22UF 16WV		
C56			CC45FSL1H220J	CERAMIC 22PF J		
C106			CE04KW1C470M	ELECTRO 47UF 16WV		
C107,108			CK45FF1H223Z	CERAMIC 0.022UF Z		
C109,110			C91-0085-05	CERAMIC 0.022UF N		
C111-113			CK45FF1H223Z	CERAMIC 0.022UF Z		
C114			C91-0085-05	CERAMIC 0.022UF N		
C137			C91-0769-05	CERAMIC 0.01UF K		
C201,202			CC45FCH1H220J	CERAMIC 22PF J		
C203			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C204			CE04KW1V100M	ELECTRO 10UF 35WV		

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C205			C91-0085-05	CERAMIC 0.022UF N		
C207			C90-1826-05	BACKUP 0.047F 5.5WV		
C208			C90-1332-05	NP-ELEC 10UF 25WV		
C209-211			C91-0745-05	CERAMIC 100PF K		
C213			CF92FV1H104J	MF 0.10UF J		
C235			CK45FF1H223Z	CERAMIC 0.022UF Z		
C301			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C302			CE04KW1A470M	ELECTRO 47UF 10WV		
C303			CE04DW1C471M	ELECTRO 470UF 16WV		
C304			CE04KW1E221M	ELECTRO 220UF 25WV		
C309			CE04KW1H101M	ELECTRO 100UF 50WV		
C310			CE04DW1H221M	ELECTRO 220UF 50WV		
C311			CE04KW1H101M	ELECTRO 100UF 50WV		
C312			CE04KW1V222M	ELECTRO 2200UF 35WV		
C314			CE04KW1H331M	ELECTRO 330UF 50WV		
C315, 316			C91-0749-05	CERAMIC 220PF K		
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		
C318, 319			CC45FSL1H221J	CERAMIC 220PF J		
C320			CE04KW1V100M	ELECTRO 10UF 35WV		
C321			CE04KW1V220M	ELECTRO 22UF 35WV		
C323			CE04KW1A471M	ELECTRO 470UF 10WV		
C324			CK45FF1H103Z	CERAMIC 0.010UF Z		
620	1B	*	E30-2630-05	CORD WITH CONNECTOR(W303)		7
E1	2B		E20-0321-05	LOCK TERMINAL BOARD (ANTENNA)		
E2	2B		E13-0235-05	PHONO JACK (OUTPUT)		
E3	2B	*	E08-0312-05	RECTANGULAR RECEPTACLE		
CF1, 2			L72-0536-05	CERAMIC FILTER		
CF3			L72-0096-05	CERAMIC FILTER		
L1		*	L30-0488-05	AM IFT		
L2			L30-0439-25	FM IFT		
L3			L40-1021-14	SMALL FIXED INDUCTOR(1.0mH,K)		
L4			L40-5625-29	SMALL FIXED INDUCTOR(5.6mH,J)		
L5			L40-6825-29	SMALL FIXED INDUCTOR(6.8mH,J)		
L6, 7			L79-0790-05	LC FILTER		
L8			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L104			L39-0195-05	COMBINATION COIL (LW)		
L105			L39-0192-05	COMBINATION COIL (MW)		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L201			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
⚠ T303	2A	*	L07-0152-05	POWER TRANSFORMER		9
⚠ T304			L19-0066-05	TRANSFORMER FOR CONVERTER		7
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X201			L77-1176-05	CRYSTAL RESONATOR(4.194304MHz)		
CP201			R90-0832-05	MULTIPLE RESISTOR 4.7KX3		
CP202			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
CP203			R90-0804-05	MULTI-COMP 47KX8 J 1/4W		
CP204			R90-0292-05	MULTI-COMP 100KX3 J 1/6W		
CP205			R90-0290-05	MULTI-COMP 10KX3 J 1/6W		
R53			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R307			RS14KB3D151J	FL-PROOF RS 150 J 2W		
R308			RS14KB3D121J	FL-PROOF RS 120 J 2W		
R322			RS14KB3D6R8J	FL-PROOF RS 6.8 J 2W		7
R323			RS14KB3A151J	FL-PROOF RS 150 J 1W		

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

T-74/74L/94/94L

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R327,328			RS14KB3A1R5J	FL-PROOF RS 1.5 J 1W		7
VR1			R12-3130-05	TRIMMING POT.(33K) FM TUNE		
VR2			R12-1089-05	TRIMMING POT.(4.7K)VCO		
VR3			R12-3126-05	TRIMMING POT.(10K) AM TUNE		F
VR3			R12-3126-05	TRIMMING POT.(10K) AM TUNE		S
VR4			R12-5060-05	TRIMMING POT.(220K)SEPARATION		
S201-230	1A		S40-1064-05	PUSH SWITCH		
D1 ,2			HSS104	DIODE		
D1 ,2			1N4148	DIODE		F
D1 ,2			1SS133	DIODE		
D3			BZX55-C5V1	ZENER DIODE		F
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			HSS104	DIODE		
D4			1N4148	DIODE		F
D4			1SS133	DIODE		
D101			HSS104	DIODE		
D101			1N4148	DIODE		F
D101			1SS133	DIODE		
D103			HSS104	DIODE		
D103			1N4148	DIODE		F
D103			1SS133	DIODE		
D109-116			HSS104	DIODE		
D109-116			1N4148	DIODE		F
D109-116			1SS133	DIODE		
D201,202			HSS104	DIODE		
D201,202			1N4148	DIODE		F
D201,202			1SS133	DIODE		
D203			BZX55-C3V9	ZENER DIODE		F
D203			HZS3.9N(B2)	ZENER DIODE		
D203			RD3.9ES(B2)	ZENER DIODE		
D204			HSS104	DIODE		
D204			1N4148	DIODE		F
D204			1SS133	DIODE		
D206-213			HSS104	DIODE		
D206-213			1N4148	DIODE		F
D206-213			1SS133	DIODE		
D215-219			HSS104	DIODE		
D215-219			1N4148	DIODE		F
D215-219			1SS133	DIODE		
D220			BZX55-C6V2	ZENER DIODE		F
D220			HZS6.2N(B2)	ZENER DIODE		
D220			RD6.2ES(B2)	ZENER DIODE		
D221			HSS104	DIODE		
D221			1N4148	DIODE		F
D221			1SS133	DIODE		
D301			BZX55-C3V3	ZENER DIODE		F
D301			HZS3.3N(B2)	ZENER DIODE		
D301			RD3.3ES(B2)	ZENER DIODE		
D302			BZX55-C6V2	ZENER DIODE		F
D302			HZS6.2N(B2)	ZENER DIODE		
D302			RD6.2ES(B2)	ZENER DIODE		
D303			BZX55-C15	ZENER DIODE		F

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D303			HZS15N(B)	ZENER DIODE		
D303			RD15ES(B)	ZENER DIODE		
D304			S5566B	DIODE		
D304			1N4004	DIODE		F
D307-312			S5566B	DIODE		
D307-312			1N4004	DIODE		F
D313-316			HSS104	DIODE		
D313-316			1N4148	DIODE		F
D313-316			1SS133	DIODE		
FL201	1A	*	FIP11AM7R	FLUORESCENT INDICATOR TUBE		
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC201		*	CXP50212-101S	IC(u-COM)		
IC202		*	AN6914	IC(DUAL COMPALATOR)		
IC202			BA10393	IC(DUAL COMPALATOR)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3 ,4			JC501(P,Q)	TRANSISTOR		F
Q3 ,4			2SC1740S(Q,R)	TRANSISTOR		
Q3 ,4			2SC945(A)(Q,P)	TRANSISTOR		
Q5			2SK163(L,M)	FET		
Q5			2SK364(GR,BL)	FET		
Q102-104			JA101(P,Q)	TRANSISTOR		F
Q102-104			2SA733(A)(Q,P)	TRANSISTOR		
Q102-104			2SA933S(Q,R)	TRANSISTOR		
Q105,106			JC501(P,Q)	TRANSISTOR		F
Q105,106			2SC1740S(Q,R)	TRANSISTOR		
Q105,106			2SC945(A)(Q,P)	TRANSISTOR		
Q201			JC501(P,Q)	TRANSISTOR		F
Q201			2SC1740S(Q,R)	TRANSISTOR		
Q201			2SC945(A)(Q,P)	TRANSISTOR		
Q203			JC501(P,Q)	TRANSISTOR		F
Q203			2SC1740S(Q,R)	TRANSISTOR		
Q203			2SC945(A)(Q,P)	TRANSISTOR		
Q301,302			2SD1302(S,T)	TRANSISTOR		
Q303			JA101(P,Q)	TRANSISTOR		F
Q303			2SA733(A)(Q,P)	TRANSISTOR		
Q303			2SA933S(Q,R)	TRANSISTOR		
Q304			2SC2003(L,K)	TRANSISTOR		
Q305			2SD1266(Q,P)	TRANSISTOR		
Q307			JA101(P,Q)	TRANSISTOR		F
Q307			2SA733(A)(Q,P)	TRANSISTOR		
Q307			2SA933S(Q,R)	TRANSISTOR		
Q308			2SC1740S(Q,R)	TRANSISTOR		
Q308			2SC945(A)(Q,P)	TRANSISTOR		
DT2	2B		W02-1041-05	FM FRONT-END ASSY		

E: Scandinavia & Europe K: USA P: Canada W:Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

J: Japan made
S: Singapore made
F: France made

9: T-94 or T-94L
7: T-74 or T-74L

⚠ indicates safety critical components.

T-74/74L/94/94L

SPECIFICATIONS

T-74/94

FM tuner section

Tuning frequency range .....87.5 MHz~108 MHz
Usable sensitivity (IHF at 75 Ω).....0.95 μV/10.8 dBf
Total harmonic distortion (at 1 kHz, 65 dBf input)
MONO 0.4%
STEREO 0.5%
Signal to noise ratio (at 1 kHz, 65 dBf input)
MONO .....78 dB
STEREO .....72 dB
Stereo separation (at 1 kHz).....40 dB
Alternate channel selectivity
(±400 kHz).....50 dB
Frequency response
(30 Hz~15 kHz) .....+0.5 dB, −3.5 dB
Output level/Impedance
(at 75 kHz dev.).....0.6 V/3.3 kΩ

AM tuner section

Tuning frequency range
531 kHz~1,602 kHz.....9 kHz step
530 kHz~1,610 kHz.....10 kHz step
Usable sensitivity.....14 μV/500 μV/m
Signal to noise ratio
(at 30% mod. 1 mV input).....48 dB

General

Power consumption.....9 W (T-94 ONLY)
Dimension .....W: 360 mm
H: 89 mm
D: 353 mm
Weight.....3.0 kg

T-74L/94L

FM tuner section

Tuning frequency range .....87.5 MHz~108 MHz
Usable sensitivity (DIN at 75 Ω)
MONO ..... 0.6 μV
STEREO ..... 22 μV
Total harmonic distortion (DIN at 1 kHz, 65.2 dBf input)
MONO 0.2%
STEREO 0.8%
Signal to noise ratio (DIN weighted at 1 kHz, 65.2 dBf input)
MONO .....68 dB
STEREO .....63 dB
Stereo separation (DIN at 1 kHz)....42 dB
Alternate channel selectivity
(DIN ±300 kHz) .....64 dB
Frequency response
(30 Hz~15 kHz) .....+0.5 dB, −3.5 dB
Output level/Impedance
(at 75 kHz dev.).....0.6 V/3.3 kΩ

MW tuner section

Tuning frequency range .....531 kHz~1,602 kHz
Usable sensitivity .....13 μV/500 μV/m
Signal to noise ratio
(at 30% mod. 1 mV input).....49 dB

LW tuner section

Tuning frequency range .....153 kHz~281 kHz
Usable sensitivity .....20 μV
Signal to noise ratio
(at 30% mod. 1 mV input).....47 dB

General

Power consumption.....9 W (T-94L ONLY)
Dimension .....W: 360 mm
H: 89 mm
D: 353 mm
Weight.....3.0 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

KENWOOD strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

KENWOOD CORPORATION
Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku, Tokyo 150, Japan

KENWOOD U.S.A. CORPORATION
2201 East Dominguez Street, Long Beach, CA 90810;
550 Clark Drive, Mount Olive, NJ 07828, U.S.A.

KENWOOD ELECTRONICS CANADA INC.
P.O. BOX 1075, 959 Gana Court, Mississauga, Ontario, Canada L4T 4C2

TRIO-KENWOOD U.K. LTD.
KENWOOD House, Dwight Road, Watford, Herts., Wd1 8eb United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.
Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker-Str. 15, 6056 Heusenstamm, West Germany

TRIO-KENWOOD FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France

KENWOOD LINEAR S.p.A.
20125, MILANO-VIA ARBE, 50, ITALY

KENWOOD ELECTRONICS AUSTRALIA PTY, LTD. (INCORPORATED IN NSW)
4E Woodcock Place, Lane Cove, N.S.W. 2066, Australia

KENWOOD & LEE ELECTRONICS, LTD.
Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central, Hong Kong